

USMC

TOOLS FOR THE SHOEMAKER



UNITED SHOE MACHINERY CORPORATION
BOSTON, MASS. U.S.A.

STANDARD
FOR
2100



UNITED SHOE MACHINERY CORPORATION
BOSTON, MASS. U.S.A.

TOOLS

FOR THE SHOEMAKER



GAUGES
HAMMERS
HAND KNIVES
JACKS AND STANDS
CANS AND RECEPTACLES
SHARPENING STONES & WHEELS
MISCELLANEOUS HAND TOOLS

UNITED SHOE MACHINERY CORPORATION
BOSTON, MASSACHUSETTS
U. S. A.

FOREWORD

The **USMC** Trade Mark on a hand tool, or on any article connected with shoemaking, is only placed there after the most rigid tests for quality, adaptability and value. It is a symbol of reliability. The article so stamped has met every requirement of the shoemaker and may be accepted as being of the highest quality, both in material and workmanship.

In preparing this catalog we have selected from our large and varied stocks those items for which there is the greatest demand. For that reason we do not submit this work as a complete record but rather as a simplified and condensed reference that will assist the shoe manufacturer in easily and quickly selecting his requirements with the assurance that he is getting merchandise of known and tested reliability.

Should you require anything not listed herein, kindly write us giving complete details in order that we may correctly interpret your requirements.

... use this **QUICK INDEX**

SIMPLY hold the catalog in the left hand and run the pages under the thumb of the right hand. Look opposite the index arrow point for the heavy black mark on the first page of the section for which you are looking.



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refer to pages 126
and 127

USMC GAUGES

USMC HAMMERS

USMC CANS AND RECEPTACLES

USMC JACKS AND STANDS

USMC SHOE KNIVES AND BLADES

USMC SHARPENING STONES AND WHEELS

USMC MISCELLANEOUS HAND TOOLS

USMC GAUGES

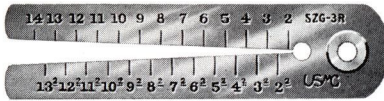
Accuracy is the keynote of modern Shoe-making. Gauges of various designs are required by the shoe manufacturer to make shoes conform to original last lines.

USMC Gauges are well made, accurate and meet all requirements. They are part of every up-to-date shoe factory.

All Sole Leather Gauges are graduated to measure "Irons" — $1/48$ inch.

SOLE LEATHER GAUGES

USAC

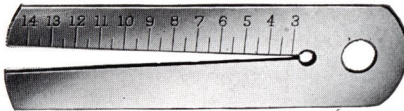


SZG 3 R

An accurate gauge of heavy rustless steel for the Sole Sorter. Gauges sole leather from 2 to 14 irons including half sizes.

SZG 3 R is the highest grade sole leather gauge on the market and we guarantee its accuracy.

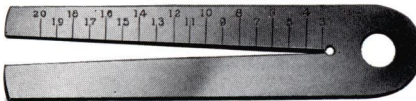
Also furnished in regular steel — SZG 3.



SZG 24

A "V" shaped gauge for sole leather stock in sizes 3 to 14 irons including half sizes.

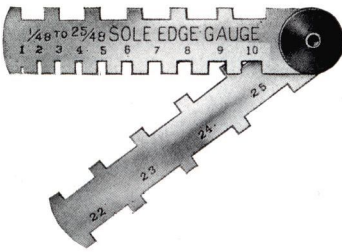
Also furnished for millimeter measurements — SZG 24-M. Sizes 2-MM to 7-MM.



SZG 24½

Large "V" Sole Leather Gauge, similar to SZG 24 but graduated for sizes from 3 to 20, no half sizes.

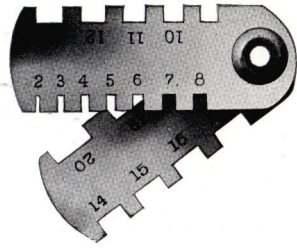
FINISHED EDGE GAUGES



SZG 1

A Pocket Edge Gauge for gauging finished edges in all sizes from 1 to 25.

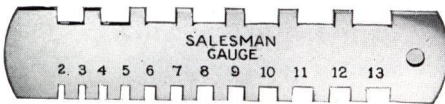
A small, compact gauge furnished in leather case.



SZG 19

A Salesman's or Foreman's Gauge for finished edges from size 2 to 20.

Furnished in leather case.



SZG 26

A Finished Edge Gauge, in sizes 2 to 20.



SZG 18

Another type of Finished Edge Gauge for sizes 7 to 20.

MISCELLANEOUS GAUGES

USMC



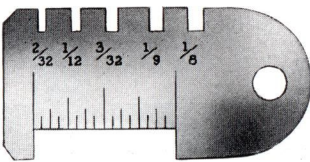
SZG 14

The One-Inch Gauge is very useful when counting the number of stitches to the inch.



SZG 17

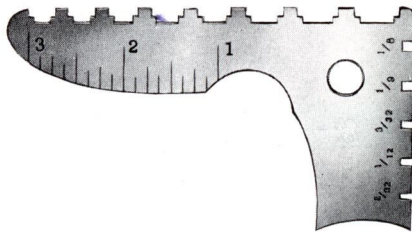
The Edge Rule is used by the Edge Trimming Machine operator for measuring the distance from the vamp to the edge of the sole. Graduations, $\frac{1}{16}$ inch.



SZG 10

Welt Gauge. Designed especially for measuring the thickness of welting.

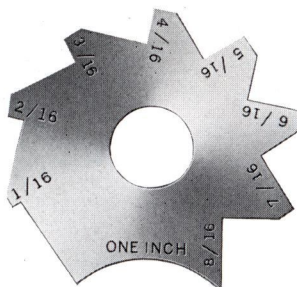
Also graduated for measuring the width of welting stock.



SZG 15

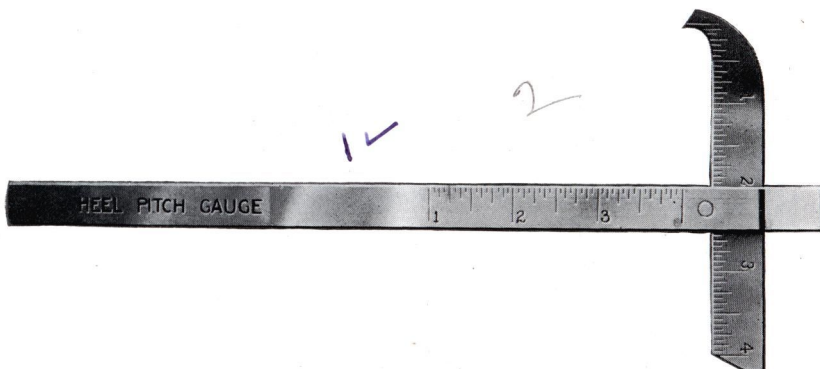
Combination Gauge. This gauge combines the Sole Leather, Edge Rule, Welt, One-Inch and Tip Gauges in one. A handy combination.

MISCELLANEOUS GAUGES



SZG 67

A combination of the One-Inch Gauge and Edge Rule. Used by Edge Trimmers for measuring the extension from the vamp to the edge.



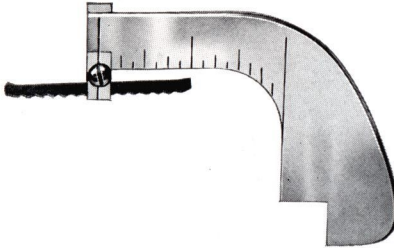
SZG 5

A handy gauge designed especially for gauging the height and pitch of heels.

Its construction is simple and it is long enough to allow both heel and forepart to rest on the base while the operation is performed, assuring perfect gauging.

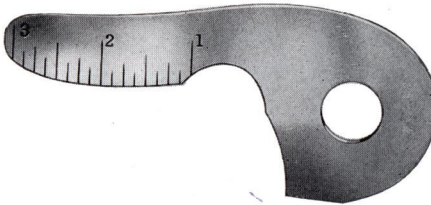
MISCELLANEOUS GAUGES

USMC



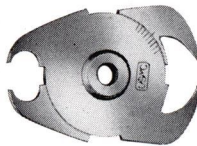
SZG 4

This Tip Gauge is fitted with a flexible blade that easily conforms to the lines of the tip.



SZG 13

Used by Lasters for gauging the length of the tip.



SZG 6

The Between Substance Gauge is indispensable for measuring the between substance, particularly on Welt Insoles or Turn Soles.

USMC HAMMERS

Varying methods of manufacture and individual preference by workmen have resulted in the development of a large number of types and weights of hammers for the different classes of shoemaking.

USMC Hammers not only meet the varying manufacturing conditions but also give each workman a wide range from which to make his choice.

HAMMERS

USMC

Lasting Hammers

The most popular Lasting Hammer. Used by Lasters and for general work throughout the factory. Made in two styles:

Type A Smooth Face

Type AA Rough Face

Approximate weight 20 ounces.



Shoe Hammers

The standard hammer for general shoe factory use.

Made in six sizes: B-C-D-F-G-H.

Approximate weights:

| | | |
|---|--------|-----------|
| B | Light | 10 ounces |
| C | | 12 ounces |
| D | Medium | 14 ounces |
| F | | 16 ounces |
| G | Heavy | 18 ounces |
| H | | 23 ounces |



Crispin Shoe Hammers

Made in two grades. The Yellow Label is hand-forged Tool Steel, smooth or knurled face. The Red Label is made of cast steel with knurled face.

Approximate weights:

| | YELLOW LABEL | RED LABEL |
|-------|-----------------|--------------|
| No. 1 | 16 ounces | 14 ounces |
| No. 2 | 18 ounces | 16 ounces |
| No. 3 | 20 ounces | 18 ounces |
| No. 4 | 28 ounces | 24 ounces |



HAMMERS



French Shoe Hammers

An old type of cobblers' hammer. Furnished in two styles. No. 2 is made of forged steel and is a high-grade tool in all respects.

Approximate weight 17 ounces.

The regular **USMC** French Shoe Hammer is cast steel and weighs approximately 19 ounces.



Relasting Hammer

A high-grade hammer used by Relasters on Turn shoes for general smoothing-up.

Approximate weight 20 ounces.

USMC Relasting Hammer No. 2 is made of forged tool steel weighing approximately 23 ounces.



Leveling Hammer

A heavy hammer for hand or machine leveling. Sometimes called "Beating-Out Hammer."

Approximate weight 25 ounces.

HAMMERS

Wood Heel Hammer

For locating and nailing wood heels. Often used for smoothing-up and tacking shanks in Turn Shoes.

Approximate weight 14 ounces.



Wood Heel Hammer No. 67

Preferred by many Wood Heel operators owing to its long head and claw end.

Approximate weight 12 ounces.



Tack Hammer

A magnetized Tack Hammer for nailing shank pieces in connection with Turned work.

Approximate weight 8 ounces.



HAMMERS

USMC



Folding Hammer

For hand folding in the Fitting Room. Also used on Turned work for smoothing close to the sole after relasting.

Approximate weight 10 ounces.

Pressing Hammer



Pressing Hammer ✓

Similar to the Folding Hammer but lighter and with rounded faces. For general Fitting Room use.

Approximate weight 6 ounces.

Folding Hammer



Smoothing Hammer

For general smoothing-up where a light-weight hammer is desired.

Approximate weight 14 ounces.

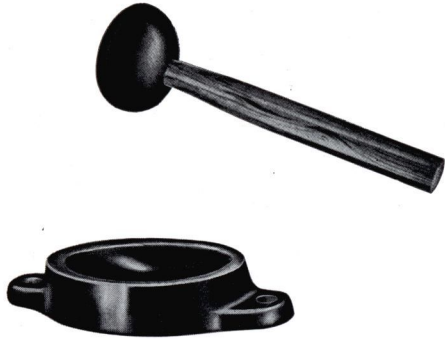
HAMMERS

USMC

Moulding Hammer and Block

In moulding soles and counters of Turn Shoes by hand this hammer and block are indispensable.

Approximate weight of hammer 24 ounces.



Fitters' Hammers

An old-time tool used by many operators in the Fitting Room for pounding seams and smoothing-up.

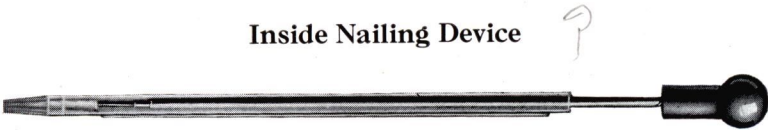
Made in two styles.

Approximate weights:

| | | |
|---------|-----------|-----------|
| Style A | (Regular) | 12 ounces |
| Style B | (Heavy) | 16 ounces |



Inside Nailing Device



A convenient tool for nailing on heels from the inside of the shoe. Contains a raceway and heavily weighted plunger permitting accurate locating and the driving of nails with one blow. Length $21\frac{1}{2}$ inches.

WOODEN MALLET



TURN LASTERS'

Turn Lasters' Mallets

A wooden mallet for leveling Infants' Turn Shoes. Made of maple. Furnished in two sizes:

Approximate weights:

Style A 8 ounces

Style B 12 ounces

Felt Slipper Mallets

A heavy wooden mallet similar to the Turn Lasters' Mallet for leveling Felt Slippers. Loaded for extra weight. Furnished in two sizes weighing approximately:

Type A $1\frac{1}{2}$ pounds

Type B $2\frac{1}{2}$ pounds

Lignum Vitæ Lasters' Mallet

Used for the same purpose as the Felt Slipper Mallet.

Approximate weight 1 pound.

Full length $12\frac{1}{2}$ inches.



FITTERS'

Fitters' Mallet

A light-weight wooden mallet for pounding seams and folds during the fitting of uppers.

Approximate weight 5 ounces.

RAWHIDE MALLET

USAC Rawhide Mallets are filled with a selected grade of rawhide, of genuine India Water Buffalo, pressed onto a steel core and held under pressure by cast iron collars. These collars also contribute to the weight which is necessary for driving a die through upper and sole leather.

The steel handle is covered with edge-grain leather, turned and finished to a smooth surface, providing a positive grip.

Although Rawhide Mallets were used extensively in the past, they are rapidly becoming obsolete due to more economical cutting by machines.

Supplied in the following sizes and approximate weights:

| | Boss |
|--------|-----------|
| No. 00 | 1½ pounds |
| 0 | 2 pounds |
| 1 | 3 pounds |
| 2 | 4½ pounds |
| 3 | 6 pounds |
| 4 | 8 pounds |

| | IXL |
|-------|-----------|
| No. 5 | 10 pounds |
| 6 | 12 pounds |
| 7 | 14 pounds |



Boss



IXL

USMC CANS AND RECEPTACLES

To facilitate the handling of liquids in the shoe factory, a variety of cans and other containers have been designed, each one adapted to some particular liquid, and not infrequently to some special method of use.

Special mention of those receptacles designed to hold inflammable liquids is made in order to acquaint all with their fire-hazard reducing features.

Cement Cans

USMC Cement Cans are made on up-to-date, non-explosive lines. The cover on the trough is fitted with a fusible latch and a strong spring, which, in case of fire, causes the cover to close and prevent explosion. The slanting bottom allows the cement to flow into the trough, which is large enough for all cementing operations, and the feed is controlled by a gate. The tight-fitting covers are large enough for filling and cleaning.

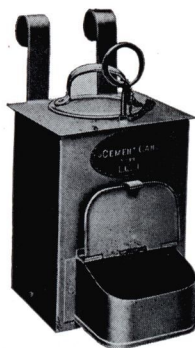
The fusible latch and spring-closed trough cover act as fire preventatives, as their function is to prevent explosion and confine fire to one spot. These cans cannot explode and scatter burning cement over a large area.

CZR 110 is fitted with hangers and is useful when cementing is done on the rack shelves. Approximate capacity $\frac{1}{2}$ gallon.

CZR 111 is the same as CZR 110 without the hangers. Approximate capacity $\frac{1}{2}$ gallon.

CZR 120 is similar in construction to CZR 110 but of approximately 1 gallon capacity.

These cans are recommended for heavy-bodied, free-flowing adhesives—Cements, Glues, Pastes.



CZR 110



CZR 120

SAFETY CANS

USMC



CZR 392

USMC Adhesive Dispenser

An ideal dispenser for Be-Be-Tex Cement and other free-flowing adhesives. Used for Hand Cementing, Wood Heel Covering, Softener for Cement Process Shoes, etc.

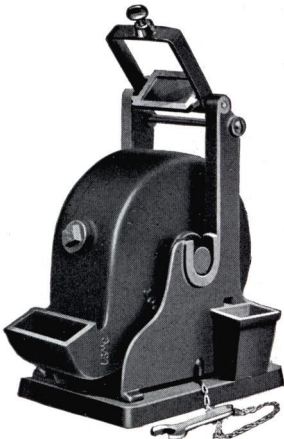
The cast aluminum base and non-corrosive-metal valve are easily cleaned. Works on the vacuum principle which keeps the liquid at a constant level in the large well.

Made in one size only, the inverted glass jar holding approximately two quarts. CZR 392.

Cement Pots

An old, reliable cement pot familiar to shoe manufacturers. Made of cast iron and works on the vacuum principle.

Particularly adapted for cements and softeners used in the manufacture of Cement Sole Shoes.



CZR 197

Made in three sizes:

CZR 195 Approximately 1½ pt.

CZR 196 Approximately ½ gal. ✓

CZR 197 Approximately 1 gal.

SUPPLY CANS

USMC

Cement Supply Can

Made of heavy-gauge steel, unpainted and fitted with large self-closing Perfection Gate.

Recommended for handling daily supplies of heavy bodied cements and especially for USMC Sole Attaching Cement.

Made in one size only holding approximately 5 gallons. CZR 267.



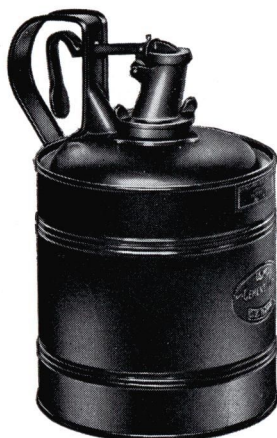
CZR 267

Safety Supply Cans

Absolutely safe for handling gasoline and other hazardous liquids. Painted bright red and approved and labeled by Underwriters Laboratories, Inc. CZR 202 and CZR 205 holding approximately 1 and 5 gallons, respectively.

Can also be furnished in sizes holding approximately 1 quart, 2 quarts, 2 gallons, 3 gallons, and 10 gallons.

When used for Sole Attaching Softeners, order these cans "Unpainted."



CZR 202

SUPPLY CANS

USMC



CZR 140

Cement Supply Can

A general supply can for cement. Made of heavy sheet metal in one size only.

CZR 140 of approximately 5 gallon capacity.

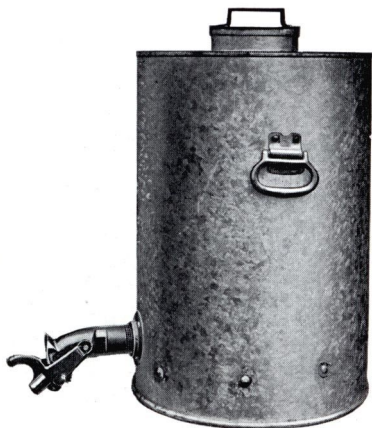
Cement Supply Cans

A supply can for rubber cements. Made of heavy sheet metal with slanting bottom and fitted with a quick-closing gate.

Made in two sizes:

CZR 130 and CZR 131 holding approximately 5 and 10 gallons.

These cans are convenient for handling daily supplies from the cement house.



CZR 130

Improved Furber Dispensing Can

Made of heavy cast iron and operated on the vacuum principle. Pressure on the spring controlled cup releases the liquid in the chamber; release of pressure reseats the ball valve in the spout making it absolutely safe against fire and waste.

This can is highly recommended for cleaning processes with naphtha and similar inflammable liquids and is approved by the Underwriters Laboratories, Inc.

Made in one size only: CZR 299 approximately 1-quart capacity.

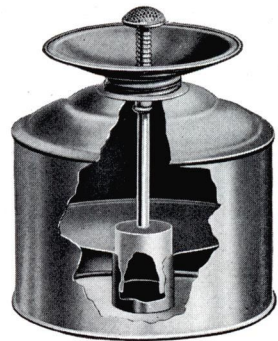


CZR 299

Furber Dispensing Can

An old-time dispensing can for thin liquids. Made of sheet metal. Pressure on the spring plunger forces liquid into the cup at the top, the surplus running back into the well.

Made in one size only: CZR 271 holding approximately 1 quart.

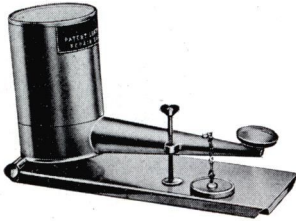


CZR 271

DISPENSING CANS

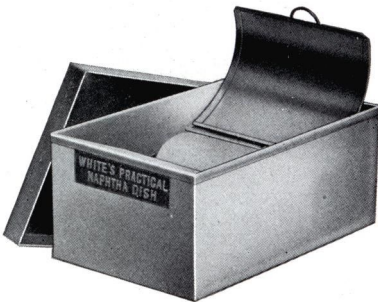
USMC

Patent Leather Repair Can



CZR 370

This can was designed for repairing patent leather by the hand method. The entire contents of the inverted bottle in the chamber is used as required through the finger tip at the end of the spout. Made in one size only: CZR 370 for holding the small bottles of Patent Leather Repairer.



CZR 230

Naphtha Dish

Another type of Dispensing Can fitted with a felt-covered roll from which the necessary amount of liquid can be obtained. Made in one size only: CZR 230 holding approximately one-half gallon.

DISPENSING CANS

USMC

Safety Bench Can

A sheet metal dispensing can for hazardous liquids. Pressure on the baffle screen forces liquid to the top; release of pressure raises the screen above the liquid level. In case of ignition above the screen, the fire goes out as soon as the moisture has burned off. Painted red.

Approximately 1 quart capacity.

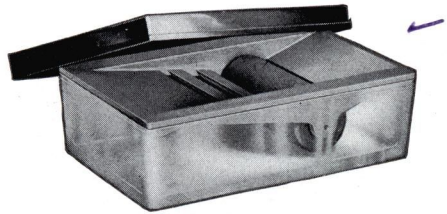


CZR 218

Dressing Dishes

An economical dish for dispensing dressings. It is fitted with a roll that supplies a limited amount of liquid. The slots in the removable inclined top act as wipers and cause the surplus to flow back into the well. A cover is supplied for covering the dish when not in use.

Supplied in one size only holding approximately 1 quart.



CZR 343

- CZR 340 All Tin
- CZR 341 Copper Bottom
- CZR 342 All Copper
- CZR 343 Glass Bottom 2

The Glass-Bottom Dish is the most popular.

MISCELLANEOUS CANS AND RECEPTACLES

USMC

Liquid Measures



CZR 52



CZR 54

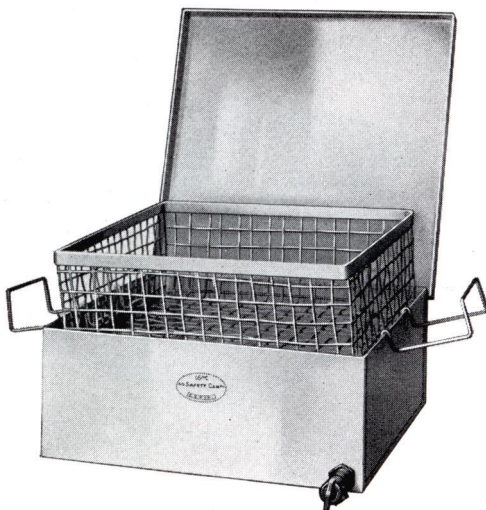
Heavily tinned measures for drawing Be-Be-Tex, Rubber Cement and other liquids from the larger cans and drums and for filling machine containers.

Actual measurement keeps track of daily consumption and prevents waste.

American Standard:

2-quart size CZR 52

1-gallon size CZR 54



CZR 391

Wood Heel Dipping Pan with Draining Basket

Designed for dipping Wood Heel Blocks in Be-Be-Tex Cement prior to covering.

Size 18 x 18 x 7 inches.

Oil Cans

Mechanics know the importance of well-lubricated machinery and the value of a good oil can.

USMC Coppered Oilers are made of steel, heavily coppered. They are our best grade and in greatest demand.

| | | |
|----------|-------|--------------|
| CZR 12 | 3 oz. | 2½ in. spout |
| CZR 13 | 5 oz. | 3 in. spout |
| CZR 13A | 5 oz. | 5 in. spout |
| CZR 14 | 5 oz. | 9 in. spout |
| CZR 14A | 8 oz. | 3 in. spout |
| CZR 14AA | 8 oz. | 5 in. spout |
| CZR 14B | 8 oz. | 9 in. spout |



COPPERED OILERS

Tinned Oilers are lower grade but in common use.

| | |
|-------|----------|
| CZR 0 | 1½ ounce |
| CZR 2 | 5 ounce |
| CZR 4 | 10 ounce |



TINNED OILERS

MISCELLANEOUS CANS AND RECEPTACLES



CZR 344

Trident Glue Can

A convenient can for hand gluing and pasting operations.

Made in one size only: CZR 344 holding approximately 1 pint.



Cement Can Tilting Rack

A steel frame for holding a 5-gallon can while filling smaller containers. Very convenient for Rubber Cement, Be-Be-Tex, Lubricating Oils and all liquids shipped in commercial 5-gallon size round cans.

Other sizes made on order.

This rack is very strongly built and will soon pay for itself in cleanliness and elimination of waste.

USMC JACKS AND STANDS

Jacks, Stands and other shoe holding devices are generally used for hand operations in conjunction with machine work. In each case **USMC** Jacks and Stands are designed for a particular purpose and made of materials best suited for their performance.



SHANK HOLDING-DOWN ATTACHMENT ON NEVERAX STAND

Shank Holding-Down Attachment on Neverax Stand JZS 155

One of the most desirable features of the Turn Shoe is easily obtained with this attachment.

The complete assembly consists of the regular Beating-Out Jack (JZS 14 or 15) mounted on an angle-iron stand; an elkhide saddle connected to a foot treadle with flexible wire rope, pressure spring and turnbuckle, all mounted on a wooden platform which is attached to the floor with lag screws. The top is also attached to the edge of the bench.

The saddle is placed over the shank of the shoe and pressure applied through the foot treadle. The shank is then "beat out" without danger of damaging the leather or stitches. The result is a beautiful, close shank with a thin edge adding materially to the daintiness of the finished shoe.

When old Beating-Out Jacks are used the bases must be drilled ($1\frac{1}{8}$ inch) for free passage of the saddle straps.

The Shank Holding-Down Attachment is claimed to be the most important improvement in Turn Shoe making in recent times and is used by all Second Lasters on machine and handmade Turns.

A slight alteration to the stand permits the use of the Crispin Lasting Jack (JZS 7 or 8) for the First Laster.

The jacks are not furnished unless ordered separately.

LASTING JACKS



JZS 8

Lasting Jacks

The most popular of all jacks for lasting and upper trimming by Turn workmen. It contains several adjustments and can be swung into any desired position.

Low Toe and Heel Rests, JZS 7

High Toe and Heel Rests, JZS 8

The wooden posts are not furnished unless ordered separately.



JZS 5

Lasting Jack

Another type of Lasting Jack of simple construction that can be used for all general lasting, beating-out and Turn work.

Low Toe and Heel Rests, JZS 4

High Toe and Heel Rests, JZS 5

MISCELLANEOUS JACKS

Beating-Out Jacks

Designed particularly for beating out Turned work, this jack can be quickly changed to meet any requirement of size and style of last. Pressure on the foot lever holds the work securely in place. The treadle and chain are part of the regular equipment.

Furnished in two sizes:

Low Toe Rest, JZS 14

High Toe Rest, JZS 15

NOTE: When this Jack, without treadle, is used in connection with the Shank Holding-Down Attachment on Neverax Stand, shown on page 30, better shoemaking is possible.



JZS 14



USMC Bench Shoe Jack JZS 157

Used in connection with the Latex Extruding Machine Model A for holding the shoe while the upper, lining, doubler and insole are being cemented. Adjustable to all sizes of lasts, swings in a complete circle and tips 45 degrees either way. A very handy Jack for all light work.

Made in one size only, JZS 157.



JZS 157

MISCELLANEOUS JACKS

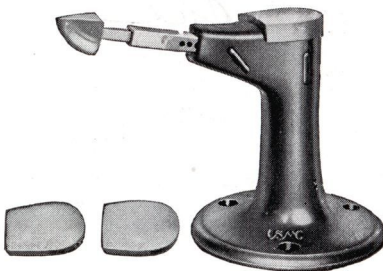


JZS 156

Wood Heel Covering Jack

This Jack is the latest device for holding wood heels during the covering operation. The adjustment for various heights is quickly made and the heel is inserted or released by slight pressure on the treadle.

One size only, JZS 156.



JZS 40

Nailing Jacks

One
Designed for holding the shoe for hand nailing of leather or rubber heels.

Furnished in two sizes:

Large
Small JZS 39

Small
Large JZS 40

Three sizes of heel plates, large, medium and small, are included with each Jack.

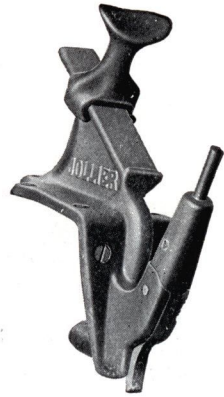
MISCELLANEOUS JACKS

USMC

Jollier Jack

This Jack is attached at right angles to the bench, allowing the operator to face his work and pick up his tools and supplies with greater convenience than when using many other Jacks. Used for pounding McKay shoes, tacking in fillings, shanks, ornamental work, etc.

Made in one size only, JZS 18.



JZS 18

Heel Breast Pasting Device

The veneering of grain in breasts on Louis Heels has generally proven a very slow and unsatisfactory process. The JZS 37 has been designed to help and perfect this operation. The clamp holds the veneer rigidly in place until dry and may be adjusted to different sizes of lasts and heels.

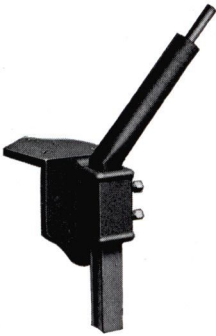
Every manufacturer of this class of work should be equipped with a battery of these devices as they not only quicken the operation but ensure a better product.



JZS 37

LAST STANDS

USMC

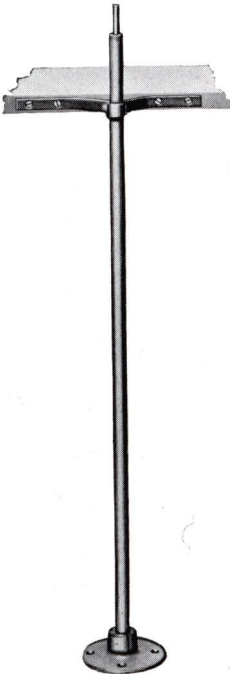


JZS 101

Spindle Jack

This Jack consists of a bracket and a spindle which is set at 45 degrees angle. It is adjustable to four positions and to any desired height.

Made in one size only, JZS 101.



JZS 71

Heel Seat Beating-Out Stand

In beating out the heel seat the Turn workman wants to feel a firm stand under his hammer. Although there is a variety of last stands or spindles for this purpose JZS 71 is the most popular. It is fastened to the floor and held away from the bench by a bracket about 8 inches from the top. The last pin is removable.

Also used for last pulling.

Made in one size only, JZS 71.

LAST STANDS

1540

Last Stands

Furnished in two designs:

TYPE C

Straight Spindle with removable last pin.

JZS 84 4 inches high *List no. 86*

JZS 86 6 inches high *1.20 E.*

JZS 88 8 inches high

TYPE D

Angle Spindle with removable last pin.

JZS 96 6 inches high

JZS 98 8 inches high



TYPE C



TYPE D

Adjustable Last Stands

The highest type of bench stands in use today. Heavily built and capable of withstanding hard usage. The last pin is removable and adjustable to five positions.

Furnished in three heights:

JZS 104 4 inches high

JZS 106 6 inches high

JZS 108 8 inches high



JZS 104



JZS 105

Coaster Turning Iron

This Turning Iron is undoubtedly the best hand device ever produced for the Turned shoe industry. As the ratchet-controlled wheel in the head rolls against the sole it does not meet with any of the frictional resistance which the earlier types encountered and renders it unnecessary to work the shoe from side to side in turning the forepart.

The Coaster Turning Iron is adjustable for height and provided with means for holding it securely to the floor and bench. A combination wrench and smoothing iron, right or left, is always furnished.

When ordering state width of head desired:

$\frac{3}{8}$ — $\frac{1}{2}$ — $\frac{5}{8}$ — $\frac{3}{4}$ — $\frac{7}{8}$ inch

TURNING IRONS

USMC

Shoe Turning Iron

An old device for turning Children's Turn Shoes.

Made in one size only, JZS 111.



JZS 111

Shoe Turning Iron

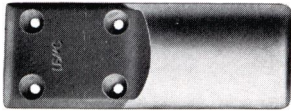
An improvement over the unadjustable type of turning iron. The spindle may be raised or lowered to the most convenient position for the operator.

Made in one size only, JZS 112.



JZS 112

MISCELLANEOUS JACKS



JZS 119

Oxford Turning Iron

When this device is attached to the edge of the bench it gives a perfect surface for easy and quick fitting around the back seam of the shoe.

Approximately $3\frac{1}{2}$ inches long.

Made in one size only, JZS 119.



JZS 141

Bench Pincer

A hand device designed to do away with the unnecessary motions of picking up and laying down hand pincers at the Pulling Over Machine. The pincer jaws are so designed that they take care of Men's, Women's and Children's work without any change.

Made in one size only, JZS 141. (See also Union Lasting Pincers on page 87.)



JZS 132

Wood Heelers' Last

A heavy cast-iron last on which to hold the shoe while fitting the wood heel.

Made in one size only, JZS 132.

USMC SHOE KNIVES

We have developed a line of hand knives that meets every condition of the shoe industry. These knives carry the **USMC** trade mark, etched on every blade, a mark accepted as a guarantee of quality and expert workmanship.

Each handled knife is sharpened, ready for use when taken from the box.

Packed in cartons containing six of a kind.

Special **USMC** Knives made to order.

SHOE KNIVES

| | KNIFE No. | BLADE LENGTH |
|---|--------------|---------------------|
| Square Point | 00 | 1 $\frac{7}{8}$ in. |
| The most popular hand knife for general shoe | 0 | 2 in. |
| factory use: Seam Ripping, Wood Heelers, | 1 | 2 $\frac{1}{4}$ in. |
| Turn Workmen, Fitting Room, Cement Sole, | 2 | 2 $\frac{1}{2}$ in. |
| Sole Leather Room, etc. | 3 | 2 $\frac{3}{4}$ in. |
| | 4 | 3 $\frac{1}{4}$ in. |
| | 5 | 3 $\frac{5}{8}$ in. |
| | 6 | 4 $\frac{1}{4}$ in. |
| Curve Square Point | 0 | 1 $\frac{3}{4}$ in. |
| For general shoe factory use and preferred by | 1 | 2 in. |
| some operators on account of its curved blade. | 2 | 2 $\frac{3}{8}$ in. |
| | 3 | 2 $\frac{5}{8}$ in. |
| | 4 | 3 $\frac{1}{8}$ in. |
| | 5 | 3 $\frac{1}{2}$ in. |
| Reverse Curve Square Point (ROUND EDGE HEEL) | 1 | 2 in. |
| Generally used for trimming up heels at the | 2 | 2 $\frac{1}{2}$ in. |
| Breasting Machine and for cutting off rands. | 3 | 2 $\frac{3}{4}$ in. |
| | 4 | 3 $\frac{1}{4}$ in. |
| Square Thin Skiver | 1 | 4 $\frac{3}{8}$ in. |
| A thin, flexible blade for hand skiving. | 2 | 4 $\frac{3}{4}$ in. |
| | 3 | 5 in. |
| | 4 | 5 $\frac{1}{2}$ in. |
| Round Thin Skiver | 1 | 4 $\frac{1}{4}$ in. |
| A long, wide, round-end blade for buffing and | 2 | 4 $\frac{3}{4}$ in. |
| skiving sole leather. Also used for stirring and | 3 | 5 in. |
| spreading ink for marking machines. | 4 | 5 $\frac{1}{2}$ in. |
| Square Buffer | 1 | 5 $\frac{1}{2}$ in. |
| For skiving and buffing sole leather. | 2 | 6 in. |
| | 3 | 7 in. |
| Round Buffer | 1 | 5 $\frac{1}{2}$ in. |
| For skiving and buffing sole leather. | 2 | 6 in. |
| | 3 | 7 in. |

SHOE KNIVES

USMC



SQUARE POINT



CURVE SQUARE POINT



REVERSE CURVE SQUARE POINT
(ROUND EDGE HEEL)



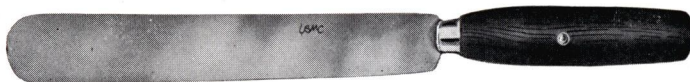
SQUARE THIN SKIVER



ROUND THIN SKIVER



SQUARE BUFFER



ROUND BUFFER

SHOE KNIVES

| | KNIFE No. | BLADE LENGTH |
|---|--------------|--------------------|
| Sharp Point | 1 | $3\frac{1}{8}$ in. |
| For general shoe factory use where a pointed blade is preferred. | 2 | $3\frac{1}{2}$ in. |
| | 3 | $3\frac{7}{8}$ in. |
| | 4 | $4\frac{3}{8}$ in. |
| | 5 | $4\frac{7}{8}$ in. |
| | 6 | $5\frac{3}{4}$ in. |
| Paris Curve | 0 | $2\frac{7}{8}$ in. |
| Due to the long curve of the blade this knife is preferred by some operators for cutting upper leather and cloth. | 1 | $3\frac{1}{4}$ in. |
| | 2 | $3\frac{7}{8}$ in. |
| Hawk Bill | 2 | $2\frac{1}{2}$ in. |
| A very useful all-round knife but generally used by Welters and hand Inseam Trimmers. | 3 | $2\frac{3}{4}$ in. |
| | 4 | $3\frac{1}{8}$ in. |
| | 5 | $3\frac{3}{8}$ in. |
| Welters' | | 3 in. |
| Used by operators of Inseam Trimming, Welt-ing and Tack Pulling machines. The end of the handle is beveled for crowning and rubbing down the shank. | | |
| Roofers' or Linoleum | 3 | $2\frac{1}{2}$ in. |
| A large Hawk Bill knife for heavy work. | 6 | $3\frac{3}{4}$ in. |

SHOE KNIVES

USMC



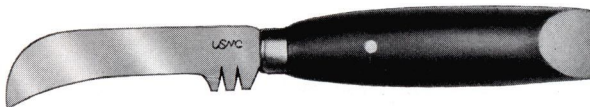
SHARP POINT



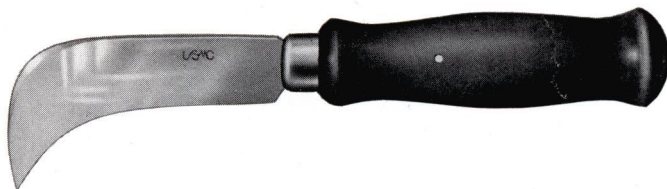
PARIS CURVE



HAWK BILL



WELTERS'



ROOFERS' OR LINOLEUM

SHOE KNIVES



LIP

Practically the same knife as the Square Point but with a lip turned up on the end to protect the work. Furnished for Right and Left-Hand operators.

| KNIFE No. | BLADE LENGTH |
|--------------|---------------------|
| 0 | 1 $\frac{7}{8}$ in. |
| 1 | 2 $\frac{1}{4}$ in. |
| 2 | 2 $\frac{5}{8}$ in. |
| 3 | 2 $\frac{7}{8}$ in. |



CURVE LIP

Similar to the Curve Square Point but with a lip turned up on the end to protect the work.

| | | |
|------------|---|---------------------|
| Right Hand | 0 | 1 $\frac{7}{8}$ in. |
| " " | 1 | 2 $\frac{1}{4}$ in. |
| " " | 2 | 2 $\frac{5}{8}$ in. |
| " " | 3 | 2 $\frac{7}{8}$ in. |
| Left Hand | 1 | 2 $\frac{1}{4}$ in. |
| " " | 2 | 2 $\frac{5}{8}$ in. |



WOOD HEEL

For Wood Heel work. Furnished Right and Left.

1 $\frac{7}{8}$ in.



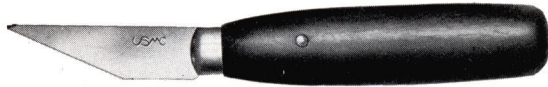
CURVE TAPER BLADE WOOD HEEL

The most popular knife for fitting the flap to wood heels. Right and Left.

830 1 $\frac{7}{8}$ in.

SHOE KNIVES

USMC



McKAY STITCHER

| | |
|--------------|-----------------|
| KNIFE No. | BLADE LENGTH |
|--------------|-----------------|

| | |
|-----------|-------|
| Type A | 2 in. |
|-----------|-------|

| | |
|-----------|--------|
| Type B | 2¾ in. |
|-----------|--------|

These knives are very popular with operators of Sole Stitching Machines.

Type A is light gauge.

Type B is heavy gauge.



DOUBLE BEVEL SHANK
SHORT

| | |
|-------|--------|
| Short | 1¾ in. |
|-------|--------|



DOUBLE BEVEL SHANK
LONG

| | |
|------|--------|
| Long | 2¾ in. |
|------|--------|

Used by Edge Trimmers for trimming shanks up to the breast of the heel or "Jointing."



RAND

| | |
|------|-------|
| Rand | 2 in. |
|------|-------|

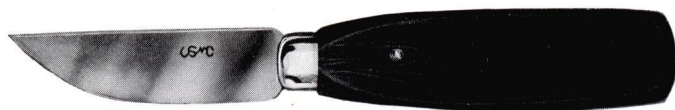
Another type for trimming rands or welts.

SHOE KNIVES

| | KNIFE No. | BLADE LENGTH |
|---|--------------------|------------------------------------|
| Clicking A heavy gauge knife for use by the Clicking Machine operator. The flat handle prevents it from rolling off the block or bench. | | 2 $\frac{3}{4}$ in. |
| Sole Leather Crook A medium curve long blade for stripping sole leather by hand. | 1 2 | 4 $\frac{3}{4}$ in. 5 in. |
| Cropping A long curve blade for stripping sole leather by hand. | 850 | 6 in. |
| Butcher Especially tempered knives for rubber and tannery work. | 6 8 10 12 | 6 in. 8 in. 10 in. 12 in. |
| Bottom Filler A heavy gauge blade designed for spreading bottom fillers. | 848A | 3 $\frac{7}{8}$ in. |

SHOE KNIVES

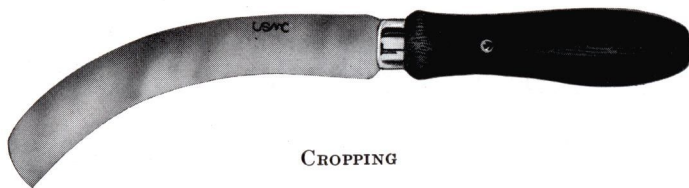
USMC



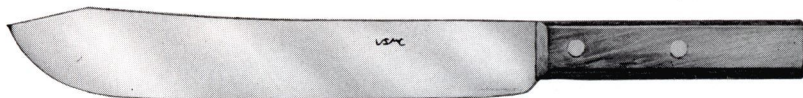
CLICKING



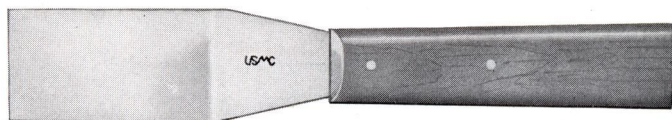
SOLE LEATHER CROOK



CROPPING



BUTCHER



BOTTOM FILLER

USMC

CUTTING BLADES

Upper Leather Blades



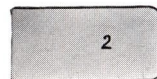
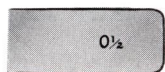
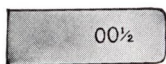
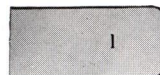
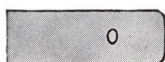
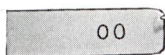
SHARP



BEVEL



CURVE



EXACT WIDTHS

Used in Cutting Blade Handles for cutting upper leather by hand. The average length is 4 inches.

The most popular sizes for leather cutting are:

Sharp Point 0-1-2

Bevel Point 00-00½-0-0½-1-2

Curve Point 0-1-2

For cutting rubber — Sharp and Bevel Point No. 2.

Packed in envelopes containing one dozen of each size.

CUTTING BLADE HANDLES

USMC

Hyde Super Extension Blade Handles



The body is made of hard rubber and fitted with nickeled jaws and ferrule.

No. 0 is $2\frac{3}{4}$ inches long.

No. 1 is 3 inches long.

No. 2 is $3\frac{1}{4}$ inches long.

All sizes will take blades 00 to 2.

Jambor Cutting Blade Handles



Furnished in three sizes: $2\frac{3}{4}$ inches, 3 inches, $3\frac{1}{4}$ inches long.

Each size will take blades 00 to 2.

Supplied in ebony, ivory, onyx and mottled blue, brown, green, red and yellow.

CUTTING BLADES

USMC

Cloth-Cutting Blades



SWEDISH TYPE — 9 INCHES LONG



GERMAN TYPE — 10 INCHES LONG



FRENCH TYPE — 10 INCHES LONG

These blades are all of American manufacture but are called Swedish, German and French types because they are similar in pattern to those used by workers of the countries mentioned.

They are made of the best knife steel, carefully tempered and ground, and will hold a keen cutting edge.

Considered a necessity in the Turn Shoe workman's equipment and also used in the cloth-cutting trades.

Furnished polished and packed in cartons of one dozen each.

CLOTH-CUTTING BLADE HANDLES

USMC

Brass-Bound Handles



SINGLE HEAD



DOUBLE HEAD

A brass-bound handle for heavy cutting. Generally used for large cutting blades described on the opposite page.

No. 1101 Single Head, 4 inches long for $\frac{9}{16}$ inch blade.

No. 1102 Single Head, 4 inches long for $\frac{5}{8}$ inch blade.

No. 1102 Double Head, $4\frac{3}{8}$ inches long for $\frac{5}{8}$ inch blade.

No. 1103 Double Head, $4\frac{1}{4}$ inches long for $\frac{3}{4}$ inch blade.

No. 1105 Double Head, $4\frac{3}{4}$ inches long for $\frac{7}{8}$ inch blade.

SCISSORS AND SHEARS

Scissors and Shears are important tools to the shoe manufacturer. We carry a complete assortment of sizes and shapes to meet the different conditions and uses. **USMC** Scissors and Shears are made of high-grade steel, stamped with the **USMC** Trade Mark and packed in strong manila envelopes.

Scissors are made with *ring* handles, each blade pointed, in sizes 4, 5 and 6 inches long.

Shears are made with straight and offset handles as listed. The offset handle, commonly called Bent Trimmers, is so bent that cloth or other material can be cut lying flat on the table. *Offset* handles are the most popular and are always furnished unless straight are specified.

| | | | | |
|--|---|--------|---|-------------------------|
| 6 inch Shears, Straight Handles, 2 sharp points. | | | | |
| 6 inch | " | " | " | 1 sharp, 1 blunt point. |
| 7 inch | " | " | " | 1 sharp, 1 blunt point. |
| 8 inch | " | " | " | 1 sharp, 1 blunt point. |
| 6 inch | " | Offset | " | 1 sharp, 1 blunt point. |
| 7 inch | " | " | " | 1 sharp, 1 blunt point. |
| 8 inch | " | " | " | 1 sharp, 1 blunt point. |
| 10 inch | " | " | " | 2 sharp points. |
| 12 inch | " | " | " | 2 sharp points. |

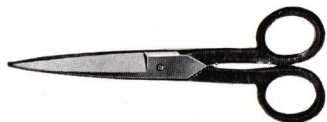
Leather Shears: A heavy duty shear with straight handles. The lower jaw is serrated so that the material to be cut will not slip. Furnished 6, 9 and 11 inches long. The 6 inch is used for cutting cloth and light leather. The 9 inch and 11 inch are used for cutting belting or heavy leather.

Nail Scissors No. 664: A small, curved-point scissor used by operators on buttonhole machines and for wood heel covering. One size only.

Dental Snips: A large-size Shear preferred by some operators for covering wood heels. 8-inch long, curved blades.

SCISSORS AND SHEARS

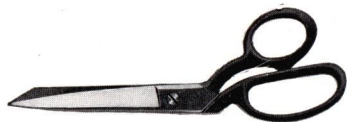
USMC



4-5-6 INCH SCISSORS



6 INCH SHEARS
STRAIGHT HANDLES
2 SHARP POINTS



6-7-8 INCH SHEARS
OFFSET HANDLES



6-7-8 INCH SHEARS
STRAIGHT HANDLES



6-9-11 INCH LEATHER SHEARS



10-12 INCH SHEARS
OFFSET HANDLES



NAIL SCISSORS
No. 664



DENTAL SNIPS

USMC SHARPENING STONES AND WHEELS

The sharpening of knives, cutters and other tools — in such a manner that the best of results may be derived therefrom — is an essential feature in shoe manufacturing, and quality in the abrasive implements used for this purpose is a necessity.

USMC Sharpening Stones and Wheels are well known for their uniformity in grit and cutting qualities and have proven to be the most popular line of sharpeners for shoe factory use.

SHARPENING STONES

USMC



SZW 16



SZW 14



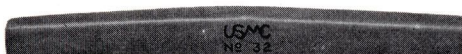
SZW 10
(AMAZEEN)



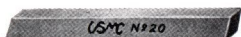
SZW 26



SZW 18



SZW 32



SZW 20



SZW 22



SZW 2



SZW 24



SZW 12

The illustrations show a few of the **USMC** Sharpening Stones listed on pages 58-59-60.

SHARPENING STONES

Bench and Pocket Stones

The range of sizes and grits will suggest many uses not specified here.

SZW 0 — Designed particularly for sharpening outer and innersole dies. Also an ideal bench stone for obtaining a keen edge on hand and machine knives after grinding. One square and one round side.

Size 8 x 2 x $\frac{3}{4}$ inches.

Fine

SZW 2 — Smaller than SZW 0 and of different structure, this stone is popular for bench work. A fine, fast-cutting stone.

Size 6 x $1\frac{5}{8}$ x $\frac{3}{4}$ inches.

Fine

SZW 4 — Similar to SZW 2 but smaller.

Size $4\frac{1}{2}$ x $1\frac{1}{2}$ x $\frac{5}{8}$ inches.

Fine

SZW 6 — A small-size bench stone for all-round sharpening of flat-edge knives.

Size 4 x 1 x $\frac{1}{2}$ inches.

Fine

SZW 72 — Designed for sharpening wood heel turning machine cutters. Suitable for a bench stone.

Size 4 x 1 x $\frac{1}{2}$ inches.

Fine

SZW 54 — Designed to fit Knife and Block Hone (RF 178) for accurately sharpening knives used on the Rapid Folding Machine, Model H. Also a good bench stone.

Size $5\frac{1}{2}$ x 1 x $\frac{5}{8}$ inches.

Fine

SZW 50 — A soft Arkansas Stone used principally for whetting splitting machine knives. Use after SZW 52.

Size approximately 5 x $1\frac{3}{4}$ x $\frac{3}{4}$ inches.

Fine

SZW 32 — An all-round, general purpose stone used by last and wood heel makers, for Clicking Machine Dies, etc. One round side.

Size 8 x $\frac{5}{8}$ x $\frac{5}{8}$ inches.

Fine

SHARPENING STONES

USMC

Slips and Special Shapes for Stock Fitting Knives

SZW 12 — Commonly called a slip. The back is round and tapers to a thin edge.

Size $5 \times 1 \times \frac{3}{32}$ inches.



Fine

SZW 14 — Smaller and different in shape than SZW 12. Adaptable for Gem Insole and Goodyear Outsole Channel Shank Reducing Machine Knives. (See also SZW 46.)

Size $4 \times \frac{3}{4} \times \frac{1}{8} - \frac{3}{16}$ inches.



Medium

SZW 46 — Similar to SZW 14. Preferred by some operators for grinding part RF 455 (Rapid Folding Machine Model H).

Size $4 \times \frac{3}{4} \times \frac{1}{8} - \frac{3}{16}$ inches.

Medium

SZW 56 — Larger than SZW 14 and SZW 46 but of the same general shape.

Size $6 \times 1 \times \frac{1}{4}$ inches.



Medium

SZW 58 — Same size as SZW 56.

Fine

SZW 60 — Size $3\frac{3}{4} \times \frac{3}{4} \times \frac{3}{16}$ inches.



Medium

SZW 62 — Same size as SZW 60.

Fine

SZW 10 — For sharpening Amazeen Knives this stone is the handiest and best that has been produced.

Size $4 \times 1 \times \frac{1}{4}$ inches. (See page 57)





Fine

SZW 16 — Size $4 \times 1 \times \frac{1}{8}$ inches.

Fine

SHARPENING STONES

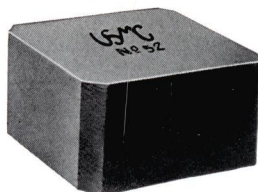
Special Shapes

- SZW 22 — Designed for sharpening Breasting Machine Knives, Dies and other tools with curved cutting edges. Bevel end. Concaved.
Size $5\frac{3}{4} \times 1\frac{3}{4} \times 1 \times \frac{3}{8}-\frac{3}{16}$ inches. (See page 57) Fine
- SZW 8 — A handy pocket-size stone for ordinary sharpening of all kinds of knives where a small stone is desired.
Size $4 \times \frac{3}{8} \times \frac{3}{8}$ inches.  Fine
- SZW 18 — A triangular-shape stone for sharpening Undertrimmers' knives, Sewing Machines, Stock Fitting knives, etc.
Size $4 \times \frac{3}{8} \times \frac{3}{8}$ inches.  Fine
- SZW 64 — Smaller than SZW 18.
Size $4 \times \frac{5}{16} \times \frac{5}{16}$ inches.  Fine
- SZW 20 — Diamond shape for grinding Sewing Machine feeds.
Size $4 \times \frac{9}{16} \times \frac{3}{16}$ inches.  Fine
- SZW 24 — Used for taking off the burr on Universal Inseam Trimmer Knives after grinding.
Size $3\frac{1}{2} \times 1\frac{3}{16} \times \frac{7}{16}$ inches. Elliptical. (See page 57) Medium
- SZW 26 — For sharpening eyelet punches.
Size $3 \times \frac{5}{16}$ inch Point. Round. (See page 57) Fine
- SZW 28 — For grinding knives on the Economy Insole Reinforcing Machine Model A.
Size $2 \times \frac{3}{8}$ inches. Round. Fine
- SZW 30 — For whetting the inside edge of Pluma Skiving Machine Knives.
Size $2 \times \frac{3}{8}$ inches. Round. Coarse
- SZW 36 — For grinding knives on the Economy Insole Reinforcing Machine Model B.
Size $1\frac{1}{4} \times \frac{5}{16}$ inches. Round. Coarse

SHARPENING STONES

SZW 52 — The original “Tam O’Shanter” Stone. A soft “water” stone for Splitting Machine Knives. (Follow with SZW 50.)

Average size 4 x 4 x 2½ to 3½ inches.



SZW 52 — FINE

SZW 34 — A round stone with coarse and fine grits for finishing the edge of Splitting Machine Knives after grinding on the large wheel.

Size 3¾ inches Diameter.
1½ inches thick.



SZW 34 — COARSE AND FINE



SZW 68 — COARSE AND FINE

SZW 68 — Two stones in one. The coarse side is for grinding down very dull or badly nicked tools and the fine for a finished edge. One of the most popular numbers in our line.

Size 5 x 2 x ¾ inches.

KNIFE SHARPENERS

USMC



No. 4 — 4 SIDES

USMC Knife Sharpeners are coated with hard, fast-cutting abrasives and are made especially for the rapid sharpening of shoe knives. Used dry or with oil.

No. 1 $8\frac{1}{2}$ in. long, 1 in. wide, 2 sides, 2 grits, 4 inch handle

No. 2 $8\frac{1}{2}$ in. long, $1\frac{1}{4}$ in. wide, 4 sides, 4 grits, 4 inch handle

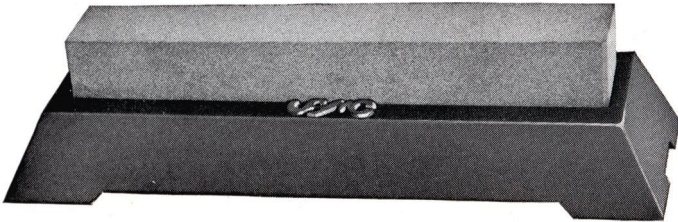
No. 4 $8\frac{1}{2}$ in. long, $1\frac{1}{2}$ in. wide, 4 sides, 4 grits, 5 inch handle

The No. 4 is of extra heavy construction and is the most popular size.



The Shoemakers' Stone is a fast and free-cutting stone in general use for sharpening hand shoe knives of all kinds.

Size $10 \times 1\frac{1}{4} \times \frac{3}{4}$ inches. Medium coarse.



SZW 66+

Mounted on an iron stand, this stone is ideal for bringing all flat-edge knives, hand or machine, to a sharp edge quickly.

Size $5 \times \frac{7}{8} \times \frac{3}{4}$ inches. Medium coarse.

SZW 66 is the "refill" and can be attached to the iron stand with glue.

EMERY CORD

USMC



A well-covered cord furnished in several sizes.

No. 106 is a soft and pliable cord especially adapted for polishing the eye of all needles used on waxed thread sewing machines.

No. 501 is a flexible cord used for smoothing out all small internal surfaces and stringing out holes in throat-plates, take-up levers, loopers, groovers, etc.

No. 504 is a tape adapted for smoothing and polishing flat or square surfaces.

Specifications

| No. | DIAMETER | GRADE | STYLE |
|-----|-----------------|-------|---------------|
| 106 | Soft | Flour | Round Cord |
| 500 | .045 | 120 | Round Cord |
| 501 | .045 | 150 | Round Cord |
| 502 | .030 | 180 | Round Cord |
| 503 | .025 | 200 | Round Cord |
| 504 | .025 x 3/32 in. | 180 | Flexible Tape |
| 510 | .018 | 200 | Round Cord |
| 513 | .070 | 120 | Round Cord |
| 515 | .078 | 120 | Round Cord |

SHARPENING STONES

THE CARE OF STONES

To obtain the best results, a new stone should be soaked in oil for several days before using. When so prepared, the pores are saturated and will not absorb the small applications of oil while the stone is in use. The purpose of using oil is to float the particles of steel that are cut away from the tool, thus preventing them from filling in between the crystals and causing the surface to glaze. Use a good grade of light oil. Water is not heavy enough to keep the steel out of the pores.

Tools should be sharpened on the entire surface to prevent uneven wear and the stone should be turned end for end occasionally.

Should a stone become glazed or gummed up, a good cleaning with gasoline or ammonia will usually restore its cutting qualities; but if it does not, then scour the surface with loose emery or sandpaper fastened to a perfectly smooth board.

When through using a stone, wipe the surface clean, then add a few drops of fresh oil and place in a box with a cover.

SHARPENING WHEELS

USMC

THE CARE OF WHEELS

The selection of a sharpening wheel for a given piece of work is not a guess—neither is it calculable by mathematics. The kind of grinding to be performed determines the character of the wheel to be used. On the following pages is a description of all sharpening wheels used in the shoe-manufacturing industry with recommendations for their use.

Excerpts from Safety Code for the Use, Care, and Protection of Abrasive Wheels

(Copies of the complete code may be obtained on application.)

Competent men shall be assigned to the mounting, care and inspection of grinding wheels and machines.

Before mounting, all wheels shall again be closely inspected to make sure that they have not been injured in transit, storage, or otherwise.

All new wheels shall be run at full operating speed for at least one minute before applying work, during which time the operator shall stand at one side.

Work should not be forced against a cold wheel but applied gradually, giving the wheel an opportunity to warm and thereby minimize the chance of breakage. This applies to starting work in the morning in cold rooms and to new wheels which have been stored in a cold place.

Wheels worn out of round shall be trued by a competent man.

Wheels out of balance through wear, which cannot be balanced by truing or dressing, shall be removed from the machine.

Always wear goggles and make sure protection hood is in place.

SHARPENING WHEELS

USMC

Dish Shapes



Dish Wheels are used for grinding cutters used on Edge Trimming Machines, Spring Heel Trimmer, Rex Rotary Trimming and Pounding Machine, Grip Slugging Machine, etc., or for knives and cutters of any kind when a saucer-shaped grinding surface is desirable. The different wheels vary in grain and cutting qualities but are generally the same shape.

The following list gives a complete record of the different diameters, bores, and grades:

| SZW | DIAMETER | BORE | GRAIN | |
|-----|----------|--------|------------------------------|---------|
| 105 | 3½ inch | ½ inch | Medium | Trued |
| 107 | 3½ inch | ½ inch | Fine | Untrued |
| 109 | 3½ inch | ½ inch | Fine | Trued |
| 305 | 3½ inch | ½ inch | Coarse | Trued |
| 307 | 3½ inch | ½ inch | Coarse | Untrued |
| 323 | 3½ inch | ¾ inch | Medium | Trued |
| 325 | 3½ inch | ½ inch | Medium | Trued |
| 351 | 3½ inch | ½ inch | Coarse | Trued |
| 365 | 3½ inch | ½ inch | Medium | Trued |
| 111 | 4 inch | ½ inch | For Amazeen Skiving Machines | |
| 345 | 4 inch | ½ inch | For Amazeen Skiving Machines | |

SHARPENING WHEELS

USMC



SZW 175

- SZW 171 — For internal grinding of knives on the Pluma Skiving Machine Models E and G. Also for external grinding of knives on the Outsole Trimming Machine Model A.
Size $1\frac{1}{4}$ inches outside diameter, $\frac{1}{16}$ inch inside diameter, $\frac{9}{16}$ inch wide. Fine
- SZW 331 — For internal grinding of knives on the Pluma Skiving Machine Models H, L, M.
Size $1\frac{1}{2}$ inch outside diameter, $1\frac{3}{16}$ inch inside diameter, $\frac{9}{16}$ inch wide. Fine
- SZW 175 — For external grinding of knives on the Pluma Skiving Machine Models E, G, H, L, M.
Size 3 inches outside diameter, $2\frac{1}{2}$ inches inside diameter, $\frac{11}{16}$ inch wide. Fine
- SZW 329 — For use on the Upper Cutter Grinder used in connection with the USMC Lining Trimming Machine Model B.
Size $1\frac{1}{4} \times \frac{9}{16}$ inch face. Fine
- SZW 321 — Used on Edge Trimming Machines (FPT) for trimming crepe rubber soles.
Size $2 \times 1\frac{1}{4} \times \frac{3}{4}$ inch bore, straight face. Coarse
- SZW 373 — For Heel Seat Fitting Machine (Henne) Model B cutter grinding.
Size $3\frac{1}{2} \times \frac{3}{8} \times \frac{1}{2}$ inch bore, straight face. Medium

SHARPENING WHEELS

USMC



SZW 119

- SZW 177 — Designed especially for grinding knives on the Goodyear Inseam Trimming Machine Model C.
Size $2\frac{3}{4} \times \frac{5}{16} \times \frac{3}{8}$ inch bore, straight face. Coarse
- SZW 115 — Same as SZW 177. Medium coarse
- SZW 189 — For grinding knives on the Goodyear Jointing Machine Model D.
Size $3 \times \frac{1}{8} \times \frac{1}{2}$ inch bore, straight face. Fine
- SZW 117 — For grinding knives for the Grip Tacking Machine.
Size $3\frac{1}{2} \times \frac{3}{8} \times \frac{3}{8}$ inch bore, straight face. Fine
- SZW 119 — For grinding cutters for the Busell Heel Trimming Machine.
Size $4 \times \frac{1}{2} \times \frac{1}{2}$ inch bore, straight face. Medium fine
- SZW 179 — Same as SZW 119. Fine
- SZW 387 — For use on the USMC Cover Skiving Machine Model A.
Size $4 \times \frac{3}{4} \times \frac{1}{2}$ inch bore, straight face. Medium
- SZW 121 — For grinding cutters for the Smith Heel Trimming Machine.
A good general wheel for small work.
Size $4 \times \frac{3}{4} \times \frac{3}{4}$ inch bore, straight face. Medium
- SZW 355 — Made for use on No. 19 Bevelrite Grinder.
Size $3 \times \frac{7}{16} \times \frac{1}{2}$ inch bore, bevel face. Fine
- SZW 341 — For grinding knives for USMC Skiving Machine Model A.
Size $4 \times \frac{1}{2} \times 2\frac{1}{2}$ inch bore, straight face. Coarse

SHARPENING WHEELS

USMC



SZW 153

This wheel is one of the most popular in our entire line. Its straight face and double cupped sides lends itself to a variety of uses.

It is standard equipment on:

USMC Grinder Model F.

USMC Grinder Model G.

USMC Upper Trimming Machine Model J.

Metallic Knife Grinder Model A.

Planet Grinding Machine Model A.

Upper Trimmer Knife Grinder Model P.

Size 5 x 1½ x ⅝ inch bore, rim ⅜ thick, straight face.

Medium

SHARPENING WHEELS

USMC



SZW 131

- SZW 131 — Especially adapted for grinding Heel Seat Cutters and Stock Fitting Knives on the Apex Knife Grinding Machine Models A and B, **USMC** Grinder Model E, and for grinding Rand Cutters on the Heel Trimmer Knife Grinding Machine Model M.
Size $6 \times \frac{3}{8} \times \frac{1}{2}$ inch bore, bevel face. Medium
- SZW 309 — The same diameter and grit as SZW 131 but with a straight face.
Size $6 \times \frac{3}{8} \times \frac{1}{2}$ inch bore, straight face. Medium
- SZW 133 — Practically the same as SZW 309 but with a wider face.
Size $6 \times \frac{5}{8} \times \frac{1}{2}$ inch bore, straight face. Medium
- SZW 385 — Designed for use on **USMC** Splitting Machine Model A.
Size $6 \times \frac{1}{2} \times 2$ inch bore, straight face. Medium
- SZW 137 — A general grinding wheel of medium diameter.
Size $6 \times \frac{3}{4} \times \frac{3}{4}$ inch bore, oval face. Medium
- SZW 191 — A fine-grain wheel for sharpening Cutter's blades.
Size $6 \times \frac{1}{2} \times \frac{1}{2}$ inch bore, straight face. Very fine
- SZW 193 — The same size as SZW 191 but coarser.
Size $6 \times \frac{1}{2} \times \frac{1}{2}$ inch bore, straight face. Fine
- SZW 339 — A narrow-face wheel for sharpening stock-fitting knives.
Beveled on one side.
Size $6 \times \frac{1}{4} \times \frac{1}{2}$ inch bore, straight face. Medium

SHARPENING WHEELS

USMC



SZW 139

- SZW 139 — For general grinding purposes.
Size $7 \times \frac{3}{4} \times \frac{3}{4}$ inch bore, oval face. Medium
- SZW 161 — For use on the Rex Pounding and Trimming Machine.
Size $7 \times 2\frac{1}{2} \times 1\frac{1}{8}$ inch bore, straight face. Very coarse
- SZW 141 — For general grinding purposes.
Size $8 \times \frac{3}{4} \times \frac{3}{4}$ inch bore, oval face. Medium
- SZW 143 — For general grinding purposes.
Size $8 \times 1 \times \frac{3}{4}$ inch bore, oval face. Medium
- SZW 333 — Used on the Heel Scouring Machine Model R for removing the surplus leather from the bottom of Littleway lasted shoes.
Size $8 \times \frac{1}{2} \times \frac{7}{8}$ inch bore, straight face. Coarse
- SZW 337 — Used on the Rex Rotary Pounding and Trimming Machine for removing the surplus leather on Littleway lasted shoes.
Size $10 \times \frac{1}{2} \times 1\frac{1}{8}$ inch bore, straight face. Coarse
- SZW 129 — For Monarch Knife Grinding Machine Model H.
Size $10 \times \frac{3}{4} \times \frac{3}{4}$ inch bore, straight face. Coarse

SHARPENING WHEELS



SZW 173

- SZW 173 — For use on **USMC** Grinding Machine Models B and D for grinding Heel Seat Cutters.
Size 10 x $\frac{3}{8}$ x $4\frac{3}{4}$ inch bore. Dished. Coarse
- SZW 319 — For the same purpose as SZW 173.
Size 10 x $\frac{3}{8}$ x $4\frac{3}{4}$ inch bore, bevel face. Coarse
- SZW 145 — For use on the Heel Breast Knife Grinder Model C and Imperial Grinding Machine Model H.
Size 10 x $\frac{3}{4}$ x $\frac{3}{4}$ inch bore, oval face. Medium
- SZW 311 — Used for the same purpose as SZW 145.
Size 10 x $\frac{3}{4}$ x $\frac{3}{4}$ inch bore, oval face. Coarse
- SZW 147 — For general grinding purposes.
Size 10 x 1 x $\frac{3}{4}$ inch bore, oval face. Medium
- SZW 149 — For grinding McKay Cutters on the Heel Trimmer Knife Grinding Machine Model M.
Size 10 x 1 x $\frac{7}{8}$ inch bore, oval face. Medium
- SZW 317 — Similar to SZW 149 but coarser.
Size 10 x 1 x $\frac{7}{8}$ inch bore, oval face. Coarse

SHARPENING WHEELS



SZW 151

- SZW 151 — Similar to SZW 149 but wider.
Size 10 x 2 x $\frac{7}{8}$ inch bore, oval face. Medium
- SZW 327 — For use on the Monarch Knife Grinding Machine Model K.
Size 10 x $2\frac{1}{2}$ x $\frac{3}{4}$ inch bore, bevel face. Coarse
- SZW 163 — For general grinding where a large diameter is required.
Size 12 x $\frac{3}{4}$ x $\frac{3}{4}$ inch bore, oval face. Medium
- SZW 165 — Same as SZW 163 but wider.
Size 12 x 1 x $\frac{3}{4}$ inch bore, oval face. Medium
- SZW 201 — For use on the Foot Power Grindstone No. 154.
Size 14 x $1\frac{1}{2}$ inches, straight face.
- SZW 205 — Nova Scotia Stone. The most common size Grindstone used in shoe factories.
Approximate size 30 inches diameter by 2 inches face.
Other diameters and thicknesses can be furnished.

SHARPENING WHEELS

USMC Sharpening Wheels Recommended for USMC Machines

| | SZW |
|---|-------------|
| USMC Grinder Model D | 173 or 319 |
| Model E | 131 and 133 |
| Model F | 153 |
| The Model F Grinder can be fitted with knife holders for accurately grinding knives used on: | |
| Universal Slugging Machine | |
| Staple Fastening Machine Models B-C-D-E | |
| Stitchdown Staple Lasting Machine Models B-C-D | |
| Taper Nail Tacking Machine, Single and Double Head | |
| Power Welt Tacking Machine | |
| Rapid Standard Screw Machine Model B | |
| USMC String Nailing Machine | |
| Grip Tacking Machine Models A and B | |
| Goodyear Welt Butting and Tacking Machine | |
| Rex Upper Trimming Machine Model H | |
| USMC Grinder Model G | 153 |
| (For USMC Block Plane No. 5 Knives, KZG 195.) | |
| Heel Breast Knife Grinder Model C | 145 |
| Metallic Knife Grinder Model A | 153 |
| This Grinder can be fitted with knife holders for accu- rately grinding knives used on: | |
| Goodyear Flexible Insole Machine Models X and XB | |
| USMC Staple Side Lasting Machine Models B and C | |
| Staple Fastening Machine Models D and E | |
| Stitchdown Staple Lasting Machine Model D | |
| Grip Tacking Machine Models A and B | |
| Universal Slugging Machine | |
| Taper Nail Tacking Machine, Single and Double Head | |
| USMC String Nailing Machine | |
| Goodyear Welt Butting and Tacking Machine | |
| Upper Trimming Knife Grinder Model P | 153 |
| USMC Grinding Machine Models A and B | 319 or 173 |
| Apex Grinding Machine Model G | 163 or 165 |
| Apex Knife Grinding Machine Models A and B | 131 and 133 |

SHARPENING WHEELS

USMC

| | SZW |
|--|-------------|
| Heel Trimmer Knife Grinding Machine Model M | |
| For McKay Cutters | 149 |
| For Louis Heel Cutters | 151 |
| For Rand Cutters | 107 and 131 |
| Imperial Grinding Machine Model H | 145 |
| Monarch Knife Grinding Machine Model H | 129 |
| “ “ “ “ Model K | 327 |
| Planet Grinding Machine Model A | 153 |
| Heel Seat Fitting Machine (Henne) Model B | 373 |
| Goodyear Jointing Machine Model D | 189 or 105 |
| Heel Seat Rough Rounding Machine Model B | 105 |
| USMC Skiving Machine Model A | 341 |
| Amazeen Skiving Machine Model 7 | 111 or 345 |
| Pluma Skiving Machine Models E-G-H-L-M | |
| Internal Grinding | 331 |
| External Grinding | 371 or 175 |
| USMC Cover Skiving Machine Model A | 387 |
| Top Piece Scalloping Machine Model B | 105 |
| USMC Splitting Machine Model A | 385 |
| USMC Edge-Trimming Machine Model H | 373 or 105 |
| Edge-Trimming Machine Models A-F-J | 373 or 105 |
| Goodyear Inseam Trimming Machine Model C | 177 |
| Goodyear Insole Heel Seat Trimming Machine Model B | 105 |
| Top-Lift Trimming Machine Model A | 105 |
| USMC Upper Trimming Machine Model J | 153 |
| Welt Trimming and Stitch Rubbing Machine Model A | 105 |

MISCELLANEOUS HAND TOOLS

In this section we illustrate and describe those miscellaneous items that are in most demand. Each tool is for a specific purpose and is made of the best material and design for its particular purpose.

If the article desired is not shown, we are prepared to furnish descriptive matter or estimates for regular or special tools.

SHARPENING WHEEL DRESSERS

USMC

Dish Sharpening Wheel Dresser



For truing up dish-shaped sharpening wheels, such as are used for grinding forepart cutters and Amazeen Knives.

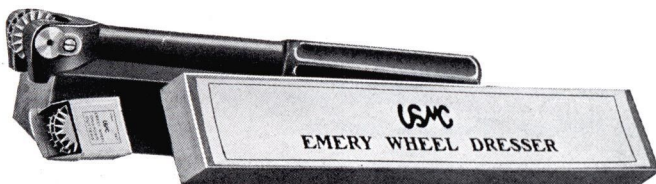
Emery Stick Dresser



Designed for truing up the sharpening wheel, SZW 385, used on the **USMC** Splitting Machine Model A and preferred by some mechanics for other types of wheels.

The Emery Stick is SZW 70.

Emery Wheel Dresser



For truing up all kinds of sharpening wheels with flat and oval faces. An extra set of cutters is furnished with each dresser.

TACK PULLERS

The choice of a Tack Puller is a matter of individual preference. We carry a variety in stock that meets all shoe-making requirements.

Welt Tack Puller

The most commonly used on all classes of work. In addition to the hooks on the side for pulling side lasting tacks it is fitted with a hook in the end which makes it handy for removing insole tacks. The corrugated hammer on the end of the handle is used for resetting "anchor tacks."

Goodyear Tack Puller

Similar to the Welt Tack Puller but without the hook in the end of the blade. Also furnished with curved blade.

Drive Tack Puller

Preferred by some operators for pulling insole tacks on Welts and McKays. It is made with a shouldered shank and reinforced on the end with a leather top which gives it additional strength and prevents driving the shank through the handle.

Long Handle Drive Tack Puller

Similar to the Drive Tack Puller but with an extra long shank, designed particularly for removing crippled wood heel nails.

Turn Tack Pullers, Types A and B

A light-weight type of tack puller used on all classes of work but more especially on Turns.

Type A — Hooks on side and end of blade.

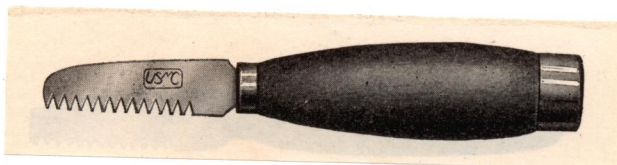
Type B — Hooks on side and end of blade with end turned on an angle.

TACK PULLERS

USMC



WELT



GOODYEAR



DRIVE



TURN TYPE A



TURN TYPE B

IMPRESSION WHEELS

USMC
Impression Wheels are furnished in different types for impressing designs on the sole and shank. They should be heated over a gas or alcohol flame to make a deep impression.

Hand Impression Wheel

The oldest type and familiar to all shoemakers.

Hand Guard Impression Wheel

Made similar to the Hand Impression Wheel but fitted with an adjustable guard which permits the operator to more accurately follow the contour of the sole.

Hand Fudge Wheel

The offset shank allows the wheel to reach close to the upper on the welt. The wheels are furnished $\frac{1}{4}$ inch wide with 10 to 20 impressions to the inch.

Hand Breast Wheel

For making a design close to the breast on the shank.

Hand Heel-Seat Wheel

For hand beading and finishing heel seats.

Bird's-eye Stamps

For making a design over the tack hole in the forepart of Turns. Furnished in eight designs.

We are prepared to furnish a large variety of designs for all types of wheels, a few of which are shown on the opposite page. These designs can also be supplied on Knurls used on the Nurling Machine Model A.

IMPRESSION WHEELS

USMC

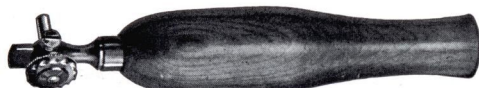
Designs

A1
 A2
 A4
 B1
 C8
 C7
 C6
 C5
 C4
 C2
 C1



IMPRESSION WHEEL

A99
 A186



GUARD IMPRESSION WHEEL

A458



FUDGE WHEEL

F50
 F69



BREAST WHEEL

F73
 F40
 F71
 F34



HEEL-SEAL WHEEL

F74
 F33
 F42

- | | |
|------------|-------------------|
| ○ No. 1 | ○ — No. 5 SPECIAL |
| ○ No. 2 | ○ — No. 8 SPECIAL |
| ○ No. 3 | ⊕ CLOVER |
| * ASTERISK | ★ STAR |



BIRD'S-EYE STAMP

BURNISHING TOOLS

Bottom or Shank-Burnishing Iron

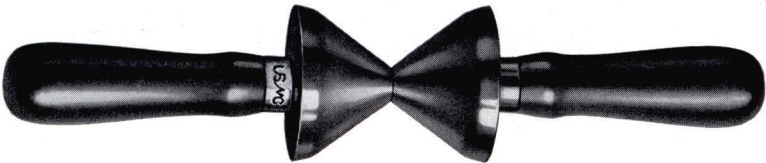


For hot burnishing of bottoms and shanks by hand.

Made in one size and shape only.

Approximate length 17½ inches.

Shank-Forming Tool



This tool is used by Turn workmen for forming the shank during the second lasting operation. Coil springs in the handles keep the brass centers closed. These centers open to the width of the shank when the shoe is struck or rolled.

When used in connection with the Shank Holding-Down Attachment JZS 155 the shoemaking is improved and no damage is done to the shank or stitches.

Approximate length 17 inches.

BURNISHING TOOLS

USMC

Rubbing Stick



Used by the Leveling Machine operator for laying channels and edges and rubbing down stitches. Made of specially selected hard wood.

Approximately 14 inches long.

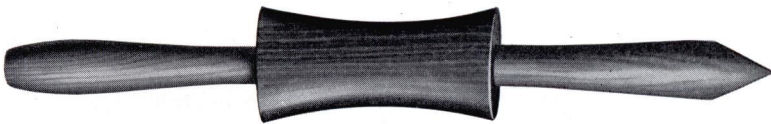
Scratch Bone



Used principally by the Edge Trimmer. Also carried by the foreman and inspector for scraping off foreign substances and smoothing out uneven surfaces. Made of high-grade polished bone.

Average length 6 inches.

Brockton Shank Burnishing Tool



For burnishing Shanks and Bottoms. Made with hard-wood center and fitted with long handles for leverage.

Approximately 16 inches long.

SMOOTHING IRONS



TYPE A



No. 2



TYPE B



No. 3



TYPE D



No. 4



No. 1



No. 5



No. 5 INSULATED HANDLE



No. 13

Smoothing Irons are used on Turned Work for smoothing or ironing out wrinkles during the lasting operation. Usually heated by electricity or over a gas or alcohol flame. Furnished with wood or wire handles.

Type A for close edges or where a thin iron is required.

Types B and D for close edges around the toe with a hammer.

No. 1 is used mostly on shanks.

No. 3 has a wedge-shaped end and is particularly adapted for tips.

No. 4 is for counters and shanks of high-heel shoes.

Nos. 2, 5 and 13 are for general use.

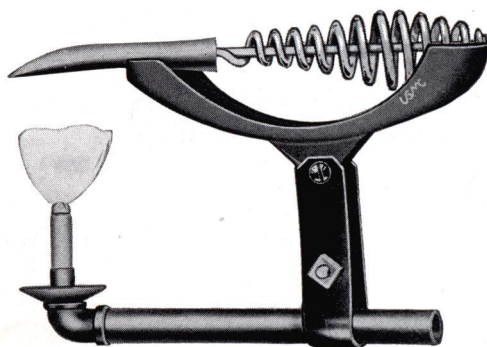
Insulated Handle Smoothing Iron: Many operators prefer the advantages of a wooden handled iron that will not burn out. The asbestos prevents the heat from burning the wood. Made in one style only, No. 5.

Alcohol Lamp



This lamp is fitted with a tool holder and is used for quickly heating small tools such as wax-spreading knives and awls. Capacity $\frac{1}{2}$ pint.

Gas Iron Holder



This holder can be easily attached to any gas pipe and provides a simple method of heating smoothing irons, spatulas, etc.

MISCELLANEOUS TOOLS

Toe Spreaders



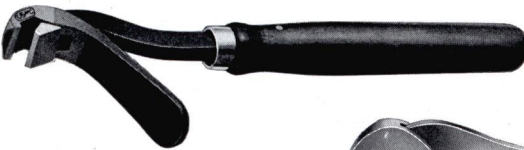
STEEL



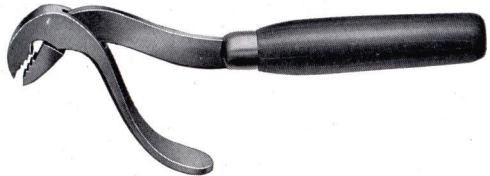
BRASS

Two types of Toe Spreaders used to smooth out the upper stock (tip, box, doubler and lining), during the Bed Lasting operation. Made in two styles, brass with wooden handle and solid steel.

Shank Lasters



TYPE A



TYPE B

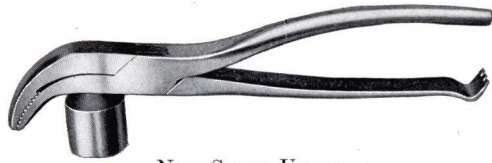
Two types of Shank Lasters generally used on men's heavy boots. Type A has smooth jaws and Type B is fitted with teeth.

LASTING PINCERS

USAC

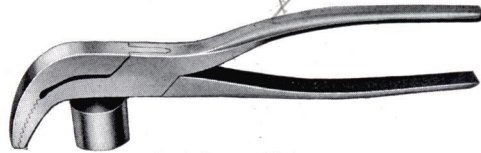
Union Lasting Pincers

New Style Union Pincers are furnished wide or narrow jaw, tack-claw handle and regularly fitted with Regular Hammer, Cross Cut face. Hammers are interchangeable.



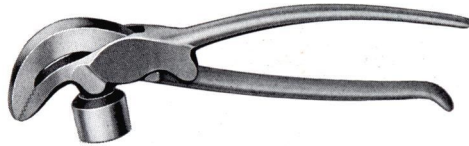
NEW STYLE UNION
WIDE OR NARROW JAW
SIZES 0-1-2-3-4-5

Old Style Union Pincers are furnished wide or narrow jaw, plain handles and regularly fitted with Regular Hammer, Knurled face. Hammers are interchangeable.



OLD STYLE UNION
WIDE OR NARROW JAW
SIZES 0-1-2-3-4-5

New Style Knell Pincers are furnished narrow jaw, in sizes A-B-C-D with regular knurled face hammer; Wide Jaw with claw end and cross-cut hammer in size A only.



NEW STYLE KNELL
SIZES A-B-C-D NARROW JAW
SIZE A WIDE JAW

Hammers

Regular and Short Bell — $\frac{7}{8}$ -1-1 $\frac{1}{8}$ inch diameter.
Long Bell — $\frac{7}{8}$ inch diameter.
Knell — 1 inch diameter.



CROSS CUT
FACE



KNURLED
FACE

Regular — Cross Cut or Knurled face.
Short and Long Bell — Cross-Cut face only.



REGULAR



SHORT
BELL



LONG
BELL

(The Knell Hammer is the same shape as the Regular but will not fit the Union Pincers.)

CUTTING NIPPERS



END CUTTING

End Cutting Nipper

Bernard No. 125 — Compound lever action, spring opening handles, full nickel finish.



ANGULAR

Angular Cutting Nipper

The Angular and Diagonal Cutting Nippers are used by operators of Metallic Wire Machines for cutting binding wires, etc.



DIAGONAL

Diagonal Cutting Nipper

The Diagonal Cutting Nipper is a heavy-duty tool.



ANGULAR
STITCHING ROOM

Angular Stitching Room Nipper

The Angular Stitching Room Nipper is a light tool for operators of Button Attaching Machines.

PINCERS AND PLIERS

USMC

Lining Pincer

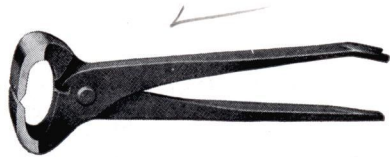
A "Beaver Tail" jaw pincer, plain or corrugated, generally used by Turn workmen for straightening counters, linings and uppers. For "aligning" in the second lasting. Also for lasting Stitchdowns.



LINING

Heel Pincers

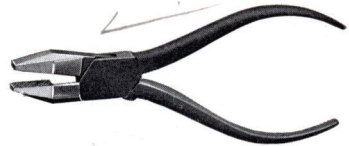
A first-quality tool with polished steel jaws. For ripping off heel lifts, pulling nails and general use in repairing. Made 6 and 8-inch sizes.



HEEL

Side Cutting Pliers

Corrugated jaws, dark finish.



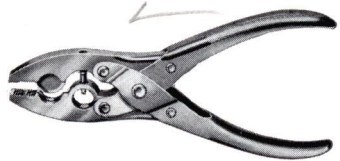
SIDE CUTTING

Belt Pliers

Bernard No. 119 — A Plier, Cutter and Punch for fitting round leather belt. Rigid center cutter, hollow piercing tube, full nickel finish.

No. 119 $\frac{1}{4}$ — for small belts.

No. 119 $\frac{3}{8}$ — for $\frac{3}{8}$ -inch belts.



BELT PUNCH

TACK CUTTING NIPPERS

USMC



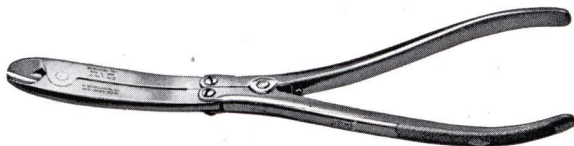
USMC



MANCHESTER



CLIMAX



BERNARD

These tools are made to cut off Insole Tacks from the inside of shoes. The **USMC** Tack Cutting Nipper is the most popular of the four shown. It is made of the best tool steel, strongly built and curved to reach into the toe of all types of boots and shoes.

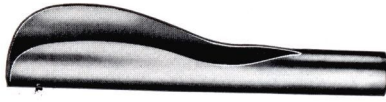
The Manchester is of similar construction with straight handles, the Climax has removable jaws and the Bernard is of compound construction.

These Nippers are not recommended for heel nails and wire.

SHOE HORNS

USMC

Relasting Horns



A heavy-gauge horn used by Turn workmen for relasting.

Type B is made of heavy tin.

Type C is steel.

No. 10 Special Shoe Horn



Heavy-gauge steel, nickel plated.

Preferred by some operators for relasting.

Approximately 8 inches long.

Felt Slipper Shoe Horn



Designed for the Felt Shoe industry.

Made of heavy-gauge steel, nickel plated.

Double end, wide and narrow.

Made in one size only — 8 inches long.

TUBE PRESS



A small arbor press for inserting and extracting perforating tubes from Tip Dies, Cut-out Dies, Vamp and Tip Perforating Punches, etc., for all types of Perforating Machines; for removing broken pins from small needle bars and shafts, and similar work.

The swivel table contains several differently shaped openings for the various sizes of collets and the equipment consists of an anvil and six assorted punch drivers.

A very handy outfit for the shop mechanic on small work, especially in the Fitting Department.

Approximately 7 inches high.

FILES AND RASPS

USMC

Repco Awl File



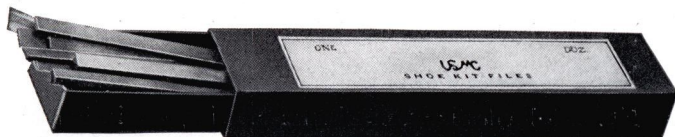
A flat file of the right cut and length for pointing and sharpening Awls and Needles.

Last Makers' Cabinet Rasp



Used extensively by Last and Wood Heel operators.
Ten inches long.

Shoe Kit Files



Many operators of Edge Setting Machines find it desirable to fit their irons by hand, in order to favor their particular work, or to obtain some special effect. (This applies to imitation turn, and other close-edge work, when the edge has been trimmed or left untrimmed.) These Kit Files are assorted especially for this purpose and have been used with satisfaction for years.

Twelve assorted shapes.

CLAMPING TOOLS

Awl Filing Clamp

Made especially for holding a Goodyear Machine Awl while being filed. Will also take other kinds of curved awls.

Knife Filing Clamps, Types A and B

Type A is designed for holding Goodyear Universal Rounding and Channeling Machine Knives (UR&C).

Type B for Goodyear Universal Channeling Machine Knives (GUC), Goodyear Turn Channeling and Planet Sole Rounding Machine Knives as well as other knives of similar design.

Apex Groover Filing Clamp

A convenient holder for Apex Groovers while being sharpened or reamed out.

Lightning Grip Clamps

A powerful spring clamp having several uses but used principally by the lining cutter for preventing the fabric from creeping.

Made in three sizes:

No. 1 4 inches long, maximum opening 1½ inches.

No. 2 6 inches long, maximum opening 2 inches.

No. 3 9 inches long, maximum opening 3 inches.

Ultima Heel Cutter Holders, Types A and B

For holding Ultima Heel Cutters while being ground. Type A is generally used for wide cutters and Type B for narrow.

CLAMPING TOOLS

USMC



AWL FILING
CLAMP



TYPE A

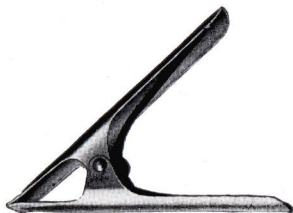


TYPE B

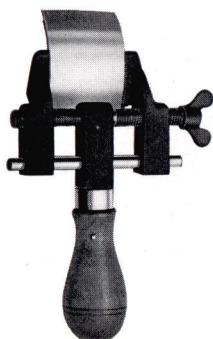


APEX GROOVER
FILING CLAMP

KNIFE FILING
CLAMPS



LIGHTNING
GRIP CLAMP



TYPE A

ULTIMA HEEL CUTTER
HOLDERS



TYPE B

MISCELLANEOUS TOOLS

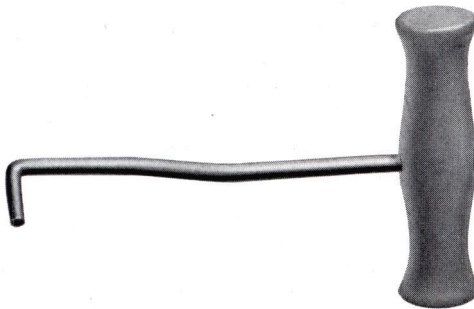
USMC

Lacing Thread Cutter



This hooked tool is provided with a safety guard to prevent damage to the shoe or last when cutting lacing thread prior to last pulling.

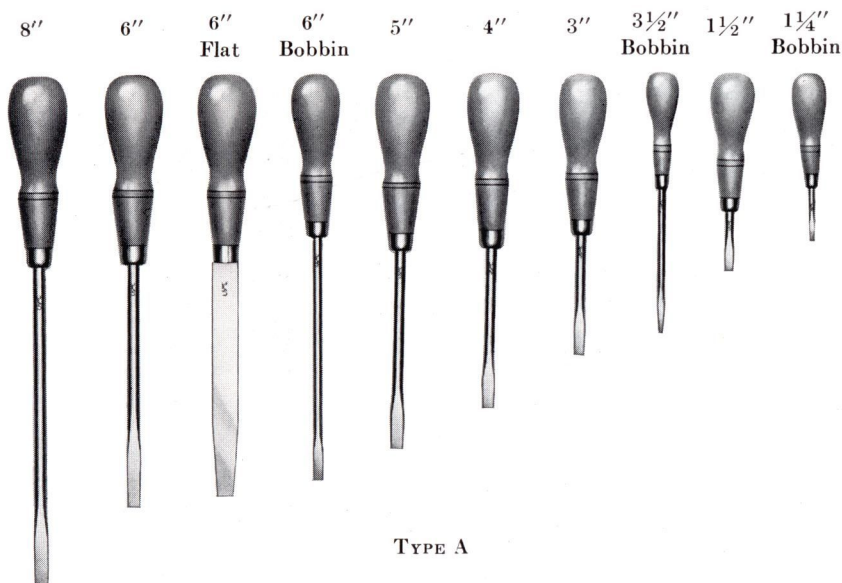
Last Hooks



A well-known tool for pulling lasts. Furnished in two styles:
Wood handle and all steel.

SCREW DRIVERS

USMC



We carry a complete line of Screw Drivers in sizes to meet every shoe factory requirement.

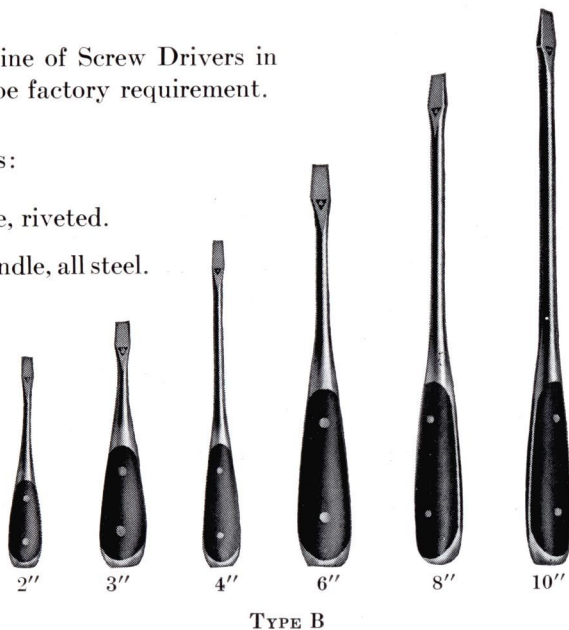
Furnished in two styles:

Type A, wooden handle, riveted.

Type B, wood-faced handle, all steel.

When ordering, state length and style desired.

The size is determined by the length of the shank.



MISCELLANEOUS TOOLS

Sock Lining Tool



A wooden tool with a brad in the end for inserting and smoothing sock linings.

Approximately 12 inches long.

Lining Knives



Part of the Turn Workman's kit. Used for smoothing out linings. Made in three styles:

Type A, Light, wood handle. Blade $7\frac{1}{2}$ inches long.

Type B, Heavy, wood handle. Blade $10\frac{1}{4}$ inches long.

Type C, Light, iron handle. Blade 9 inches long.

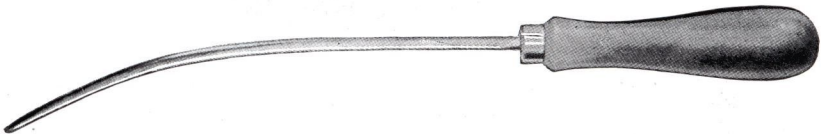
Groove Stripers



Designed for inking thin edges. Practically eliminates all danger of staining the upper.

Furnished in three sizes: Large, Medium and Small, according to the width of stripe desired.

Back Seam Straightener



A long-blade tool for straightening the back seam in Turn Shoes.

Blade approximately 8 inches long.

MISCELLANEOUS TOOLS

U5/C

Heel Removers



TYPE A



TYPE B

An indispensable tool for removing heels. Made of hardened steel and will not bend. Both types are shouldered and riveted and the top is reinforced with leather to permit the use of a hammer without danger of splitting the handle.

Type B is wider and heavier than type A and has a curved end. It is used extensively for removing United Cushion Heels.

Canvas Laying Tools



REGULAR (SPOON TYPE)

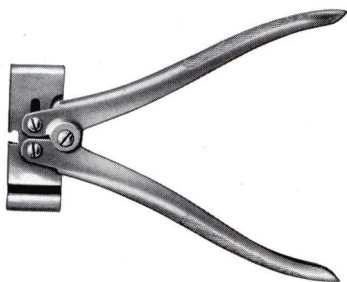


NO. 2 (ROLLER TYPE)

Designed for smoothing out and forcing the canvas against the shoulder of the channel on Economy Insoles.

MISCELLANEOUS

Lace Tipper



Provided with dies for attaching tips on both light and heavy shoe laces. Compound leverage makes it possible to compress tips into shape so that they pass through eyelets easily and will not pull loose. The tool is also provided with a cutter for trimming lace tips after they are attached.

Tips furnished in black, brown and white in cartons of 500 and in bulk of 25 pounds and more.

Hand Sewing Bristles



A fine quality "Dower" Bristle. Packed in envelopes of 25 and in bundles of 1 ounce and 1 pound.

Furnished in two grades: 00X and 1.

00X is the highest grade obtainable.

CRAYONS AND PENCILS

USMC

Marking Crayons



A high-grade wax crayon with paper wrapper, especially adapted to leather marking. Made in two sizes and several colors.

No. 101 small and No. 104 large.

Length 6 inches, Black, White, Red, Yellow and Green.

Packed in cartons of 1 dozen and gross containers.

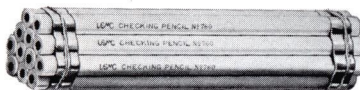
Marking Crayons No. 125



A square Crayon has advantages and is preferred by many to the round shape. Length 4 inches.

Furnished in Black, White and colors. Packed in cartons of 1 dozen and gross containers.

Checking Pencils



Considered the best and most economical. The "lead" or crayon part is encased in wood which reduces breakage to a minimum.

Supplied in bundles of 1 dozen.

Blue, Black, Yellow, Green.

WELT TRIMMERS

Deacon Welt Trimmer



Used by Heel and Edge Trimmers for hand randing and jointing.
Fitted with adjustable guard and blade.

Trimmers' Knife



Used by the Edge Trimmer for jointing and heel seat randing.
Fitted with Double Bevel Shank Knife, long or short, and with either
the Deacon or Star Welt Trimmer. The illustration shows the Star.

NAIL SETS

USMC



Knurled Handle

Generally used for setting nails in leather, wood and rubber heels.



Cantrol

Similar to the Knurled Handle but with a square end to prevent it from rolling off the bench.



United Cushion Heel

Made particularly for setting nails in ~~UNITED~~ ^{USMC} Cushion Heels.



Shouldered

A wood handle Nail Set fitted with a leather shoulder to prevent the wood from splitting.

MISCELLANEOUS TOOLS

USMC

Wax Spreading Knife



A small spatula. When the flexible blade is heated this knife is very useful in smoothing out the wax used to cover damaged portions of the shoe.

Wax Spreading Awl



A rigid blade that holds the heat longer than the Wax Spreading Knife and enables the operator to spread the wax more rapidly.

Strip Awl



A tool for removing the rough or feather edge from back seams, welts and similar parts.

Welt Awl



Similar to the Strip Awl but shaped for trimming the edge of upper leather. Used generally on heavy work shoes. Furnished in three sizes: Large, medium and small.

HAND AWLS

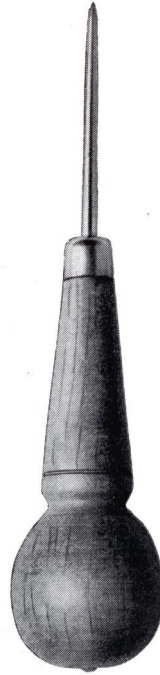
USMC



WEB BELT
AWL



FOLDERS'
AWL



WOOD HEEL
AWL

Web Belt Awl: A convenient tool for piercing the ends of **USMC** Cleco Web Belting when sewing with thread or wire.

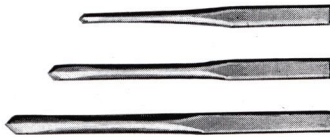
Folders' Awl: Used in connection with folded work and picking up counters. Dull Point.

Wood Heel Awl: For locating nail positions on the inside of the shoe for hand nailing. Also used by lining cutters for "pinning" the fabric to the board. The shank is approximately 2 inches long.

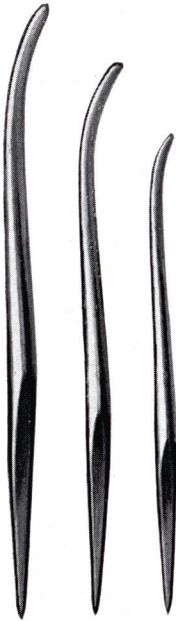
USMC

HAND AWLS AND NEEDLES

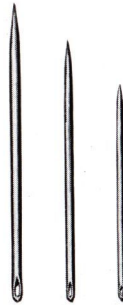
Awls and Needles



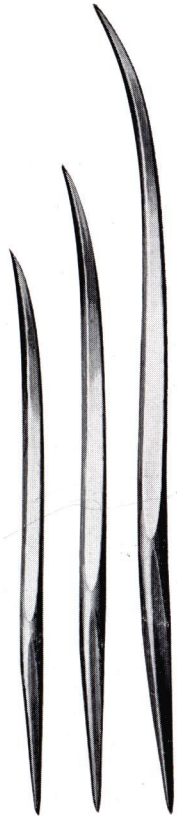
PEGGING AWLS
LARGE, MEDIUM, SMALL



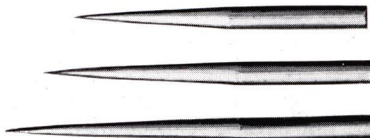
SEWING AWLS
LARGE, MEDIUM, SMALL



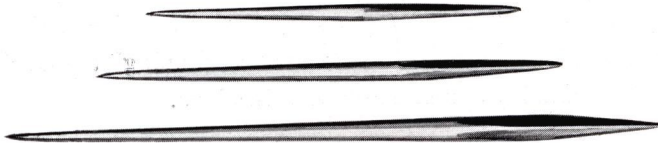
SHOEMAKERS' NEEDLES
(BLUNTS)
LARGE, MEDIUM, SMALL



MOCCASIN AWLS
SMALL, MEDIUM, LARGE



TAPER BLADE AWLS
LARGE, MEDIUM, SMALL

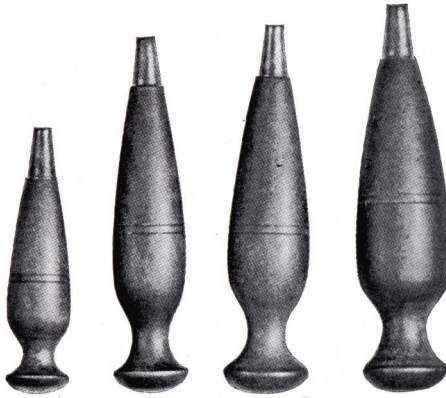


STABBING AWLS
LARGE, MEDIUM, SMALL

HANDLES AND HAFTS

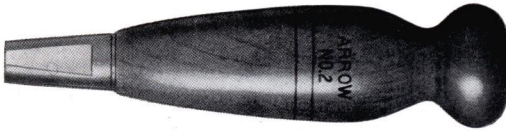
6540

Common Sewing Awl Handles



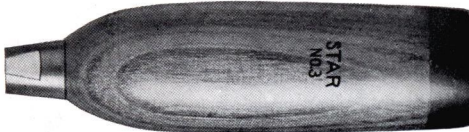
| | | | | |
|--------|----|----|--------|--------|
| No. | 0 | 1 | 2 | 3 |
| Length | 3" | 4" | 4 1/8" | 4 1/2" |

Arrow Sewing Awl Haft (Long Nut)



| | | | |
|--------|----|----|--------|
| No. | 1 | 2 | 3 |
| Length | 4" | 4" | 4 1/8" |

Star Pegging Awl Haft



| | | | |
|--------|--------|----|--------|
| No. | 1 | 2 | 3 |
| Length | 3 7/8" | 4" | 3 3/4" |

Handles and Hafts are used for holding the different awls and needles shown on the opposite page.

A handle is fitted with a ferrule which prevents splitting when the awl is forced into the wood.

A haft is fitted with a chuck which is operated with a wrench.

When ordering specify *Handles* or *Hafts*.

CLEANERS AND WIPING CLOTHS

We carry a variety of cleaning materials for the proper treeing of boots and shoes. Selection depends on the kind of material to be cleaned.

Shoe Cleaners: Made of semi-hard rubber.

No. 1 — Beveled on one end, size $3\frac{1}{2} \times 1 \times \frac{7}{8}$ inches.

No. 15 — Beveled on both ends, size $3\frac{1}{2} \times 1 \times \frac{7}{8}$ inches.

No. 3 — Beveled on both ends, size $3\frac{1}{2} \times \frac{3}{4} \times \frac{3}{8}$ inches.

Rubber Cleaners: Made of crepe rubber.

No. 50 — Circular, 3 inch diameter, 1 inch wide.

No. 51 — Perfecto shaped, average size 6 x 1 inches.

No. 52 — Perfecto shaped, average size 8 x $1\frac{1}{2}$ inches.

Dry Cleaner: A soft, spongy cleaner for removing spots.

Size 3 x 3 x 2 inches, packed in cartons of 1 dozen.

Art Gum: Similar to Dry Cleaner.

Sizes $2\frac{1}{4} \times 1\frac{1}{8} \times 1\frac{1}{8}$ inches and 3 x 2 x 2 inches, packed in cartons of 1 dozen.

Wiping Cloths: Rough-laundered sugar bag liners. Made of cotton, very soft and absorbent. Packed in bales of 25, 50 and 100 pounds.

Silk Wiping Cloths: Raw silk, coarse weave, hemmed.

No. 1 — Size 12 x 15 inches.

No. 2 — Size 12 x 24 inches.

No. 3 — Size 15 x 15 inches.

Packed in gross lots.

No-Mar Wiping Cloths: Similar to the Silk Wiping Cloth but softer.

Size 18 x 18 inches, averaging 10 to the pound.

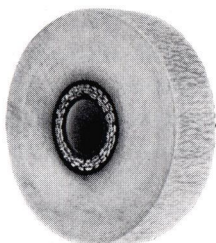
Size 18 x 36 inches, averaging 5 to the pound.

Packed in dozen and gross lots.

CLEANERS AND WIPING CLOTHS

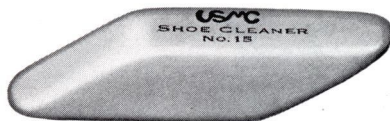
USMC

Rubber Cleaner



No. 50

Shoe Cleaner



No. 1 SINGLE BEVEL
No. 15 DOUBLE BEVEL

Dry Cleaner



SIZE 3 x 3 x 2 INCHES

Rubber Cleaner



No. 51 AVERAGE SIZE 6 x 1 INCHES
No. 52 AVERAGE SIZE 8 x 1½ INCHES

MISCELLANEOUS TOOLS



Scrap Hatchet

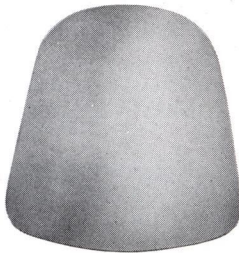
The Scrap Hatchet is used by operators of Sole Cutting Machines for chopping the scrap from the main portions of sole leather. It is of sufficient weight to enable the operator to sever scrap pieces with one blow and is the best tool devised for this purpose.

Clicking Hatchet

The Clicking Hatchet is thinner and lighter than the Scrap Hatchet. Operators of Ideal Clicking Machines find this tool useful for trimming off the skirtings of upper leather stock.



Naumkeag Guard



A flexible steel guard used to protect the upper of the shoe from the abrasive pad while Naumkeaging the shank.

BLOCK AND BOARD RESURFACERS

USMC

Board Buffer

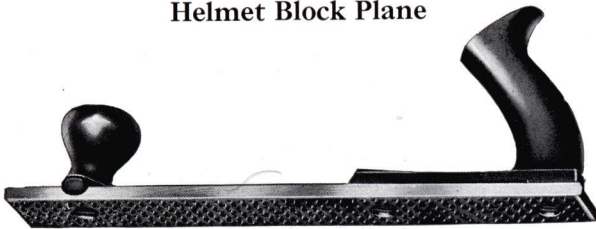
A practical buffer or scraper for keeping the working surface of cutting boards and tables (soft wood) in a smooth condition.



Block Trimmer

For trimming the surface of hand-cutting boards and die blocks. Supplied with either straight or curved blades.

Helmet Block Plane



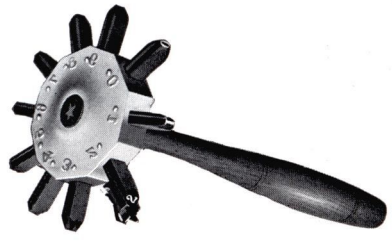
A convenient tool for keeping the working surface of the Ideal Clicking Machine Block in perfect condition. It has no adjustments but a new rasp is easily fitted to the handles. Fourteen inches long. Teeth on one side only.

For rasping Sole Cutting Machine Blocks, especially Fibre, we recommend **USMC** Block Rasp No. 2. Very coarse, reversible blade, fourteen inches long. Aluminum handles.

USMC

SOLE LEATHER STAMPS

Sole Marker



For size marking of cut soles.

No. 1 is fitted with interchangeable figures, making it possible to stamp all sizes from 0 to 13½, including half sizes, easily, quickly and accurately.

No. 7 stamps all whole sizes from 1 to 10.

The figures are made of steel, properly tempered, ¼ inch high.

Leather Size Stamps



For size stamping on soles in the Stock Fitting Room. Made of steel, cut with a sharp face to give a clear, distinct impression on sole leather. All figures are ¼ inch high.

Put up in sets from 0 to 13½ including half sizes. (Twenty-eight pieces.)

TAG HOLDERS

USMC



We furnish Tag Holders for all shoe factory purposes.

Types A and B are made of high-grade rod steel threaded at the end so as to be screwed into the tops of shoe racks, benches, etc.

Type A is provided with a hook for the work ticket and a spiral for the rush tag.

Type B contains the spiral only.

Type D is made of flat spring steel and is generally used on boxes, benches and bins for holding the work ticket.

Type G is the latest tag holder and is regular equipment on all Neverax Shoe Racks. Type A or B will be substituted if desired.

Packed one gross in a carton.

TYING-UP DEVICES

USMC

Holdfast Ties



Holdfast Ties are made in a variety of sizes, types of hook, cord, etc., for different classes of work. The hook is made of tinned wire, properly tempered, but can be furnished in brass for work that comes in contact with water or steam. The hard braided cord is most durable and is used for tying cut soles or where the cord will not injure the article tied. The banding is also braided but is made with a soft surface for upper leather, delicate cloth, etc.

Although they are furnished any length, we recommend the following:

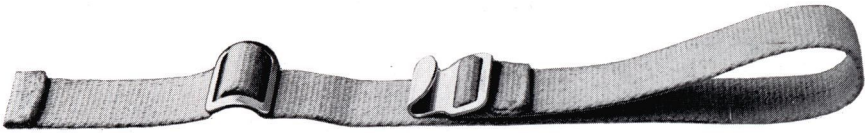
| HOOK | CORD | LENGTH | USE |
|------|--------------|---------|---------------|
| 13 | 30 (Banding) | 2½ feet | Shoe Parts |
| 5 | 48 (Banding) | 3 feet | Shoe Uppers |
| 4 | 64 (Banding) | 4 feet | Upper Leather |
| 4 | 4 (Cord) | 4 feet | Cut Soles |
| 4 | 4 (Cord) | 10 feet | Cartons |

Holdfast Ties (Banding only) can be dyed different colors for identification purposes at a small additional charge. The tips will be dyed at no extra charge. State color wanted.

TYING-UP DEVICES

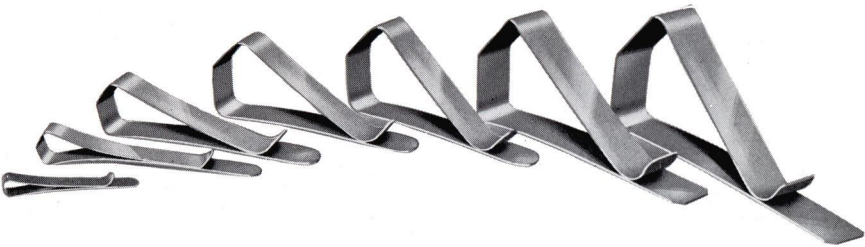
USMC

Booth Tying-Up Straps



Booth Tying-Up Straps are made of woven fabric (Webbing) fitted with metal clasps as shown. An exceptionally strong tying strap for bundling uppers, leather, cartons, etc. Furnished any length from $1\frac{1}{2}$ to 14 feet. The customer's name will be printed on each piece at no extra charge if desired.

Steelgrips



$\frac{3}{8}$ inch $\frac{3}{4}$ inch $1\frac{1}{8}$ inch $2\frac{1}{4}$ inch $2\frac{3}{4}$ inch $3\frac{1}{4}$ inch $3\frac{3}{4}$ inch

Steelgrips are steel springs used in place of string. They firmly hold tongues, small stays, linings, doublers, vamps, tips, quarters, and foxings.

Steelgrips are nickel plated and will not discolor or mark delicate leather and fabrics.

Steelgrips are especially adapted to 12-pair lots.

Uses for Standard Sizes

- $\frac{3}{8}$ inch for Single pairs or samples
- $\frac{3}{4}$ inch for Doublers and cloth linings
- $1\frac{3}{8}$ inch for Vamps, Tips, Tongues, Leather linings
- $2\frac{1}{4}$ inch for Quarters, Foxings, Scotch Grain Vamps
- $2\frac{3}{4}$ inch for Quarters, Foxings, Scotch Grain Vamps
- $3\frac{1}{4}$ inch for After Top Stitching
- $3\frac{3}{4}$ inch for After Top Stitching

Special sizes made to order.

The size is determined by measuring the "heel" or closed end, the widest part.

A Check List of
USAC Merchandise Used in the
SOLE LEATHER AND STOCK-FITTING ROOMS

| | | SEE PAGE |
|--------------|----------------------------------|----------|
| Adhesives — | Be-Be-Tex Cement | |
| | Hub Gum | |
| Belting — | Flat and Round Leather | |
| | Web | |
| Blocks — | Machine | |
| | Hand Dieing Out | |
| Cans — | Cement | 20-28 |
| Crayons . | | 101 |
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| | Block | |
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| | Sorters | 5 |
| Groovers — | Channel | |
| Hammers | | 11 |
| Hatchet — | Scrap | 110 |
| Knives — | Hand | 43-49 |
| | Stock Fitting Machine | |
| Mallets — | Leather Handle Rawhide | 17 |
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OUTFIT FOR TURN WORKMEN

The items listed below comprise the outfit used in the first and second lasting of Turned shoes.

LASTER'S KIT or First Lasting

Turn Shoe Moulding Hammer and Block.
Lasting Jack — JZS 7, low rest, or
JZS 8, high rest.
Union Lasting Pincers No. 2 or No. 3 Narrow Jaw, New Style.
Tack Puller, Type A.
Hand Knife — Swedish, German or French Blade or
No. 1 or No. 2 Sole Leather Crook or
Square Point Shoe Knife.

BEATER-OUT'S KIT or Second Lasting

Coaster Turning Iron Complete — JZS 105.
Beating-Out Post.
Relasting Horn — Type E.
Last Drive Plug.
Stitch Pick.
Shank Holding-Down Attachment on Neverax Stand — JZS 155.
Beating-Out Jack — JZS 14, low rest, or
JZS 15, high rest.
Relasting Hammer.
Leveling Hammer.
Rubbing Stick.
Lining Knife.
Tack Hammer.
Smoothing Iron with insulated handle.
Lining Pincers.
Smoothing Iron, Type D.
Last Stand — JZS 71 or
JZS 84.
Cement Brush No. 1.
Scratch Bone.
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